

## **ANEXOS**

# **ESTUDIO DE LAS FUERZAS DE CONTACTO E INTERACCIONES DE UN INSTRUMENTO QUIRÚRGICO APLICADO SOBRE UN MODELO DE SIMULACIÓN DE TEJIDO**

**HAROLD FERNEY GÓMEZ GUAMANGA  
JESÚS ORLANDO LUNA MONTILLA**

**MONOGRAFÍA PRESENTADA COMO REQUISITO PARA OPTAR AL  
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**Director: Mg. Hermes Fabián Vargas Rosero  
Codirector: Ing. Diego Gerardo Gómez Orozco  
Codirector asignado: Karin Correa Arana**

**Universidad del Cauca  
Facultad de Ingeniería Electrónica y Telecomunicaciones  
Programa de Ingeniería en Automática Industrial  
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## A. Script asociado a la identificación de colisiones y lectura de fuerzas en lenguaje Lua

```
function handleUI(p)
  if p then

    simUI.setLabelText(ui,1,string.format("%.0f",p[1]))
    simUI.setLabelText(ui,2,string.format("%.2f",p[2]))
    simUI.setLabelText(ui,3,string.format("%.2f",p[3]))
    simUI.setLabelText(ui,4,string.format("%.2f",p[4]))
    simUI.setLabelText(ui,5,string.format("%.2f",p[5]))
  else
    simUI.setLabelText(ui,1,"-")
    simUI.setLabelText(ui,2,"-")
    simUI.setLabelText(ui,3,"-")
    simUI.setLabelText(ui,4,"-")
    simUI.setLabelText(ui,5,"-")
  end
end

function sysCall_init()
  simRemoteApi.start(19999)
  if not ui then
    local xml =[[<ui title="Fuerzas de
contacto" resizable="true" closeable="false" placement="relative" position="50,50"
layout="form">
  <label text="Rotacion [Grados]:" />
  <label id="1" text="-" />
  <label text="Fuerza en X [N]:" />
  <label id="2" text="-" />
  <label text="Fuerza en Y [N]:" />
  <label id="3" text="-" />
  <label text="Fuerza en Z [N]:" />
  <label id="4" text="-" />
  <label text="Fuerza resultante [N]:" />
  <label id="5" text="-" />
</ui>]]
    ui=simUI.create(xml)
  end
  model=sim.getObjectHandle(sim.handle_self)
  massObject=sim.getObjectHandle('Clip')
  sensor=sim.getObjectHandle('Clip')
  mass=sim.getObjectFloatParam(massObject,sim.shapefloatparam_mass)
end
```

```

    vectorTiempo,vectorFuerzaX,vectorFuerzaY,vectorFuerzaZ,vectorFuerza,vector
Rotacion=leer_datos_sim_ansys();
    ultimo_colisionado="otros";
end

```

```

function leer_datos_sim_ansys()
    name = "proyectos/FuerzasyRotaciones.csv"
    file = io.open(name, "r")

    lines = {}
    vectorTiempo={}
    vectorFuerza={}
    vectorFuerzaX={}
    vectorFuerzaY={}
    vectorFuerzaZ={}
    vectorRotacion={}
    con=0
    for line in io.lines(name) do
        x=0
        for word in line:gmatch('[^,]+') do
            if x==0 then vectorTiempo[con]=tonumber(word)
            elseif x==1 then vectorFuerzaX[con]=tonumber(word)
            elseif x==2 then vectorFuerzaY[con]=tonumber(word)
            elseif x==3 then vectorFuerzaZ[con]=tonumber(word)
            elseif x==4 then vectorFuerza[con]=tonumber(word)
            else vectorRotacion[con]=tonumber(word) end
            x=x+1
        end
        con=con+1
    end
    file:close()
    return vectorTiempo,vectorFuerzaX,vectorFuerzaY,vectorFuerzaZ,vectorFuerza
,vectorRotacion
end

```

```

function imprimir_rotacion(rotacion,vectorTiempo,vectorFuerzaX,vectorFuerzaY,v
ectorFuerzaZ,vectorFuerza,vectorRotacion)
    index, value = NearestValue(vectorRotacion,rotacion)
    print("Rotacion consultado: "..rotacion)
    print("Rotacion mas cercano: "..value.." grados".."Indice csv: "..index)
    print("Fila Excel: "..index+1) -- +1 en datos de Excel
    print("Fuerza en X: "..math.round(vectorFuerzaX[index], 0.0001).. " Newtons")
    print("Fuerza en Y: "..math.round(vectorFuerzaY[index], 0.0001).. " Newtons")
    print("Fuerza en Z: "..math.round(vectorFuerzaZ[index], 0.0001).. " Newtons")
    print("Fuerza resultante: "..math.round(vectorFuerza[index], 0.0001).. " Newtons")

```

```
print("Tiempo en la simulacion Ansys:
 $\text{math.round}(\text{vectorTiempo}[\text{index}], 0.0001)$  segundos")
```

```
fuerza={rotacion, $\text{math.round}(\text{vectorFuerzaX}[\text{index}], 0.0001)$ , $\text{math.round}(\text{vectorFuerzaY}[\text{index}], 0.0001)$ , $\text{math.round}(\text{vectorFuerzaZ}[\text{index}], 0.0001)$ , $\text{math.round}(\text{vectorFuerza}[\text{index}], 0.0001)$ }
```

```
return fuerza
end
```

```
function NearestValue(table, number)
```

```
local smallestSoFar, smallestIndex
```

```
for i, y in ipairs(table) do
```

```
if not smallestSoFar or ( $\text{math.abs}(\text{number}-y) < \text{smallestSoFar}$ ) then
```

```
smallestSoFar =  $\text{math.abs}(\text{number}-y)$ 
```

```
smallestIndex = i
```

```
end
```

```
end
```

```
return smallestIndex, table[smallestIndex]
```

```
end
```

```
function math.sign(v)
```

```
return (v >= 0 and 1) or -1
```

```
end
```

```
function math.round(v, bracket)
```

```
bracket = bracket or 1
```

```
return  $\text{math.floor}(v/\text{bracket} + \text{math.sign}(v) * 0.5) * \text{bracket}$ 
```

```
end
```

```
function sysCall_actuation()
```

```
local res0, collPair0=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane0'));
```

```
local res1, collPair1=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane1'));
```

```
local res2, collPair2=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane2'));
```

```
local res3, collPair3=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane3'));
```

```
local res4, collPair4=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane4'));
```

```
local res5, collPair5=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane5'));
```

```
local res6, collPair6=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane6'));
```

```
local res7, collPair7=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane7'));
```

```
    local res8,collPair8=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane8'));
    local res9,collPair9=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane9'));
    local res10,collPair10=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane10'));
    local res11,collPair11=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane11'));
    local res12,collPair12=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane12'));
    local res13,collPair13=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane13'));
    local res14,collPair14=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane14'));
    local res15,collPair15=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane15'));
    local res16,collPair16=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane16'));
    local res17,collPair17=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane17'));
    local res18,collPair18=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane18'));
    local res19,collPair19=sim.checkCollision(sim.getObjectHandle('Aguja'),sim.getObjectHandle('Plane19'));
```

```
if res19>0 then
    rotacion=190
    colisionado=sim.getObjectHandle(collPair19[2])
elseif res18>0 then
    rotacion=180
    colisionado=sim.getObjectHandle(collPair18[2])
elseif res17>0 then
    rotacion=170
    colisionado=sim.getObjectHandle(collPair17[2])
elseif res16>0 then
    rotacion=160
    colisionado=sim.getObjectHandle(collPair16[2])
elseif res15>0 then
    rotacion=150
    colisionado=sim.getObjectHandle(collPair15[2])
elseif res14>0 then
    rotacion=140
    colisionado=sim.getObjectHandle(collPair14[2])
elseif res13>0 then
    rotacion=130
    colisionado=sim.getObjectHandle(collPair13[2])
elseif res12>0 then
```

```

    rotacion=120
    colisionado=sim.getObjectName(collPair12[2])
elseif res11>0 then
    rotacion=110
    colisionado=sim.getObjectName(collPair11[2])
elseif res10>0 then
    rotacion=100
    colisionado=sim.getObjectName(collPair10[2])
elseif res9>0 then
    rotacion=90
    colisionado=sim.getObjectName(collPair9[2])
elseif res8>0 then
    rotacion=80
    colisionado=sim.getObjectName(collPair8[2])
elseif res7>0 then
    rotacion=70
    colisionado=sim.getObjectName(collPair7[2])
elseif res6>0 then
    rotacion=60
    colisionado=sim.getObjectName(collPair6[2])
elseif res5>0 then
    rotacion=50
    colisionado=sim.getObjectName(collPair5[2])
elseif res4>0 then
    rotacion=40
    colisionado=sim.getObjectName(collPair4[2])
elseif res3>0 then
    rotacion=30
    colisionado=sim.getObjectName(collPair3[2])
elseif res2>0 then
    rotacion=20
    colisionado=sim.getObjectName(collPair2[2])
elseif res1>0 then
    rotacion=10
    colisionado=sim.getObjectName(collPair1[2])
elseif res0>0 then
    rotacion=0
    colisionado=sim.getObjectName(collPair0[2])
else rotacion=0
    colisionado="ninguno"

end
if ultimo_colisionado~=colisionado then
    force=imprimir_rotacion(rotacion,vectorTiempo,vectorFuerzaX,vectorFuerzaY,
vectorFuerzaZ,vectorFuerza,vectorRotacion)
    ultimo_colisionado=colisionado

```

```
        local msg="".."Aguja".." colisiona con "..ultimo_colisionado.."--
sim.getObjectNames(collPair[2]).""
        msg=msg..string.format(" (en el tiempo %.2f)",sim.getSimulationTime())
        sim.addLog(sim.verbosity_scriptinfos,msg)

        handleUI(force)
    end
end

function sysCall_sensing()

end

function sysCall_cleanup()
end
```

## B. Código fuente asociado al movimiento del robot UR3 desde Matlab®

```
clear all
close all
clc

CircularH;

rx=-0.6000*ones(3001,1); % 1 esta alineado con x vrep
ry=0.000*ones(3001,1); %1 alineado con y de vrep
rz=0.000*ones(3001,1);

Tem = 0.001;
%
sim('prueba_mgimgd_universal.slx',3) % most basic way to simulate with
command script.
%%
run('conexion.m')
%%

load('datos_qsal.mat')

cont=1;
qsal = fliplr(qsal)

for i=2415:2448
sal=qsal.Data(i,:);
[returnCode]=vrep.simxSetJointTargetPosition(clientID,art_1,sal(1),vrep.simx_opmode_oneshot);
[returnCode]=vrep.simxSetJointTargetPosition(clientID,art_2,sal(2),vrep.simx_opmode_oneshot);
[returnCode]=vrep.simxSetJointTargetPosition(clientID,art_3,sal(3),vrep.simx_opmode_oneshot);
[returnCode]=vrep.simxSetJointTargetPosition(clientID,art_4,sal(4),vrep.simx_opmode_oneshot);
[returnCode]=vrep.simxSetJointTargetPosition(clientID,art_5,sal(5)-
pi/1.5,vrep.simx_opmode_oneshot);
[returnCode]=vrep.simxSetJointTargetPosition(clientID,art_6,sal(6)+i/10,vrep.simx_opmode_oneshot);
pause(0.1);
end
```



## C. Artículo

# FUERZAS DE CONTACTO E INTERACCIONES DE UN INSTRUMENTO QUIRÚRGICO APLICADO SOBRE UN MODELO DE SIMULACIÓN DE TEJIDO

HAROLD FERNEY GÓMEZ GUAMANGA  
HERMES FABIAN VARGAS ROSERO  
KARIN CORREA ARANA  
UNIVERSIDAD DEL CAUCA

La automatización quirúrgica representa un enorme avance tecnológico en el campo médico debido, principalmente, a la enorme reducción de la carga cognitiva del cirujano, especialmente en las tareas repetitivas como la sutura, otorgando menor tiempo y mayor seguridad para el paciente. Sin embargo, uno de los mayores desafíos en la medicina asistida por robots es conocer y predecir el comportamiento de los tejidos blandos frente a las diferentes fuerzas ejercidas por un instrumento quirúrgico. Este proyecto de investigación tiene como desafío analizar el comportamiento mecánico de la piel humana ante las fuerzas de contacto y las interacciones de una aguja quirúrgica durante un procedimiento de sutura simple con ayuda de software de simulación.

**Palabras clave:** sutura, fuerza de interacción herramienta-tejido, análisis por elementos finitos, robótica médica, modelo viscoelástico, piel, modelos constitutivos.

### Background

Surgical automation represents an enormous technological advance in the field of medicine, mainly due to the enormous reduction of the surgeon's cognitive load, especially in repetitive tasks such as suturing, granting less time and greater safety for the patient. However, one of the greatest challenges in robot-assisted medicine is to know and predict the behavior of soft tissues against the different forces exerted by a surgical instrument. The challenge of this research project is to analyze the mechanical behavior of human skin in the face of contact forces and interactions of a surgical needle during a simple suturing procedure with the help of simulation software.

**Keywords:** Suture, tool-tissue interaction force, finite element analysis, medical robotics, viscoelastic model, skin, constitutive models.

## INTRODUCCIÓN

Los procedimientos quirúrgicos implican el contacto de un instrumento con diferentes órganos o tejidos y en su mayoría involucran la sutura. Hoy en día, los cirujanos se asisten utilizando herramientas robotizadas que permiten optimizar la destreza y la capacidad de razonamiento, el uso de robots en los procedimientos quirúrgicos amplía las capacidades de los cirujanos e introduce enfoques innovadores como es el caso de cirugía mínimamente invasiva, donde se requiere de altas habilidades y buena retroalimentación visual de los órganos y/o tejidos [1], [2]. Por tal razón, la automatización quirúrgica representa un enorme avance tecnológico en el campo médico, debido principalmente a la reducción de la carga cognitiva del cirujano, especialmente en las tareas repetitivas, otorgando menor tiempo en la realización de los procedimientos médicos y brindando mayor seguridad para el paciente.

Se debe tener en cuenta que las propiedades mecánicas de los tejidos biológicos varían según la edad, el sexo, la masa corporal y el estado, ya sea: sano o enfermo. De igual manera, los tratamientos previos influyen en el comportamiento mecánico de los tejidos, razones por las cuales se exigen diferentes valores de fuerza sobre los instrumentos médicos para realizar un procedimiento quirúrgico sobre un tejido biológico [3]. Adicionalmente, el comportamiento mecánico de los tejidos biológicos blandos varía en cada persona debido a la presencia de múltiples capas de material biológico de diferente espesor y composición, este tipo de comportamiento se estudia teniendo en cuenta las propiedades viscoelásticas, no lineales y anisotrópicas de los materiales. Es por lo anterior, que uno de los mayores desafíos en la medicina asistida por la robótica es tratar de conocer el comportamiento de los tejidos blandos frente a las diferentes cargas (o fuerzas) ejercidas por un instrumento quirúrgico [4].

## PLANTEAMIENTO DEL PROBLEMA

En una sutura se desarrollan algunas tareas repetitivas como el posicionamiento de la aguja, la punción del tejido, la conducción de la aguja a través del tejido y el atado de los hilos de sutura. De acuerdo a que este tipo de tareas son repetitivas sería bastante interesante realizarlas de forma automatizada por que permitirían potencializar el procedimiento a realizar [5], [6], y por ende se deben considerar las distintas deformaciones del tejido y diferentes fuerzas de reacción producidas en cada tarea establecida [7].

Como se mencionó anteriormente, el desempeño de las tareas quirúrgicas puede mejorar con el uso de la asistencia robótica, dichas plataformas tienen la ventaja potencial de proporcionar destreza y precisión adicional a los cirujanos [8]. No obstante, en la sutura asistida por robot existen algunos problemas debidos principalmente a la falta de retroalimentación háptica [9], donde grandes concentraciones de fuerza en las puntas de los sujetadores de instrumentos y la limitada percepción de profundidad dan lugar a roturas de sutura intraoperatoria y posoperatoria [10]–[13]. La retroalimentación de las fuerzas

generadas permiten minimizar las roturas en el anudado de los hilos de sutura, debido a la aplicación de fuerzas más bajas por parte de los cirujanos novatos en el uso de asistentes robóticos, por ejemplo, el 20% de las muestras tomadas entre cirujanos sin experiencia en el uso del sistema quirúrgico teleoperado da Vinci y sin realimentación visual de las fuerzas, resultaron en roturas de la sutura al momento de realizar el anudado, donde la fuerza promedio de rotura aplicada fue de  $4.40 \pm 1.62$  Newtons mientras que la fuerza promedio sin rotura en el anudado fue de  $2.71 \pm 1.14$  Newtons, posteriormente se activó la realimentación visual de la fuerza y se redujeron significativamente las fuerzas máximas aplicadas a  $2.42 \pm 0.64$  Newtons [14]. En contraste, la aplicación inadecuada de fuerzas en sutura puede limitar el flujo sanguíneo induciendo restricciones en la curación de la herida, incluso puede llegar a provocar infecciones en la incisión. Así, como también permitir una cicatrización excesiva o dehiscencia de la herida [15], [16].

Los modelos computacionales usados en sutura, cierre de heridas e incisiones proporcionan pautas importantes para las cirugías robóticas que involucran este tipo de procedimientos y llega a ser importante tener conocimiento de los rangos de los valores de fuerza. Conocer los requisitos de fuerza resulta benéfico, en primer lugar, porque se proporciona una comprensión de la magnitud de las fuerzas que un robot necesita aplicar para las diferentes geometrías de las heridas, y en segundo lugar, el tiempo de curación de la herida se reduce debido a la realización de cortes geométricos óptimos del tejido [4].

En el área de modelado computacional para sutura y cierre de heridas se han realizado diferentes avances, particularmente mediante el uso de técnicas de modelado por elementos finitos, aunque existen grandes desafíos provenientes de la dificultad de caracterizar completamente las condiciones de carga dinámica, las diferentes geometrías [17] y las complejas propiedades de los materiales anisotrópicos de los tejidos humanos. Dado que el incremento de la precisión en los modelos para los materiales y las geometrías exige una alta fidelidad de las mallas para el análisis por elementos finitos [18], [19]. Las suturas actualmente aún son difíciles de modelar en un entorno de elementos finitos debido a los complejos bucles y nudos, y, por lo tanto, se han evitado en la mayoría de los estudios de modelos computacionales. Centrándose estos en la determinación de las fuerzas de sutura para el cierre de la herida utilizando técnicas de tracción del colgajo de la herida [4]. Con la inclusión de las suturas en un modelo de elementos finitos, el comportamiento de la malla es aún más difícil de predecir, debido a la alta posibilidad de falla de la malla por el sobre entrenamiento de elementos rígidos, así como por el cambio repentino en la formulación del contacto (deslizamiento o rotura) entre la sutura y el tejido [20]. Además, la forma de ciertas cargas máximas puede cambiar conduciendo a grandes errores en la predicción de la mecánica de cierre de la herida [21].

Recientemente, se realizó un estudio de las propiedades mecánicas de tejido blando en el procedimiento de sutura y se formuló un modelo de fuerzas para el procedimiento de sutura [22], la efectividad del modelo fue validada suturando una porción de músculo de cerdo donde las curvas de fuerza no fueron completamente consistentes comparadas con las adquiridas por un sensor de par. Para proporcionar realismo en la representación de los tejidos blandos, se deben tener en cuenta las propiedades mecánicas, tales como la viscoelasticidad, la no linealidad [23], la no homogeneidad y la anisotropía como se mencionó anteriormente, [19], [24], lo que permite mayor precisión en el cálculo de la retroalimentación háptica y mejor estimación del comportamiento del tejido y la aguja. Las situaciones anteriormente mencionadas nos llevan a la siguiente pregunta de investigación: ¿Cuál es el comportamiento de un tejido blando con propiedades viscoelásticas, no lineales, como la piel, bajo las fuerzas de un instrumento quirúrgico (como una aguja) en un procedimiento de sutura, para su posterior implementación en una herramienta de simulación robótica?

La estimación del comportamiento y la caracterización mecánica adecuada de los tejidos biológicos blandos tiene gran importancia en la medicina, porque hipotéticamente influirá positivamente en el desarrollo de simuladores de realidad virtual y en el diseño de sistemas de retroalimentación de fuerza en el área de robótica médica [22]. Así como también mejorará la planificación preoperatoria de la cirugía gracias a la automatización en la manipulación de tejidos por medio de un modelo capaz de predecir su compleja dinámica [25].

## TRABAJOS RELACIONADOS

En general, los estudios realizados sobre el análisis de la deformación de los tejidos blandos toman en consideración algunas de las complejas propiedades físicas, lo que da lugar a diferentes investigaciones que buscan formular el comportamiento mecánico de los tejidos blandos. Una buena formulación fisicomatemática puede ser usada posteriormente en el desarrollo de sistemas capaces de ejecutar determinadas tareas quirúrgicas. A continuación, se mencionan algunas investigaciones sobre el modelado de tejidos blandos, incluyendo fuerzas de inserción de agujas y se refieren algunos de los sistemas robóticos usados en cirugía.

Moreno *et al.* [26] evalúan algunos modelos utilizados para proponer una formulación fisicomatemática que permita modelar el comportamiento mecánico material y su respuesta al someterse ante acciones externas de naturaleza mecánica como la tracción. Estos autores encuentran que los tejidos se modelan conforme a la ley de Hooke y la teoría de contacto de Hertz, de acuerdo a su comportamiento elástico lineal. Sin embargo, cuando estos tejidos son sometidos a grandes deformaciones presentan un comportamiento no lineal (hiperelasticidad), por lo cual, las teorías de elasticidad lineal no son suficientes para modelar este tipo de comportamiento. Para

estos casos se utilizan modelos hiperelásticos, los cuales se dividen en dos categorías: modelos fenomenológicos y modelos estadísticos.

Los modelos fenomenológicos no se derivan de la teoría fundamental (ley de Hooke y teoría de contacto de Hertz), sino que luego de la realización de un número suficiente de pruebas experimentales es posible describir una relación (esfuerzo-deformación) que solo es aplicable para condiciones de carga específicas. Por otra parte, los modelos estadísticos usan información sobre la microestructura del material como base de su modelo (por ejemplo, la deformación aplicada al tramo de la cadena molecular).

Cabe resaltar que, aunque los modelos estadísticos captan mejor el comportamiento de algunas variables físicas (como la temperatura), su formulación matemática es más compleja. En contraste, la mayoría de los modelos hiperelásticos modelan satisfactoriamente el comportamiento mecánico del material a tasas altas de carga, mientras que a tasas más bajas de carga varían considerablemente. Aun teniendo en cuenta las variables anteriores existen otras variables que hacen que el comportamiento mecánico del tejido varíe, tales como la textura, el espesor, el nivel de hidratación, el tipo y la ubicación del tejido, y esto involucra que el modelado de la deformación sea más complejo [26].

Entre algunas investigaciones, se destacan la de Tran *et al.* [27], Su *et al.* [28] y Zisis *et al.* [29], por usar un modelo hiperelástico neohookeano para determinar las propiedades de la piel humana, mientras que Groves *et al.* [30], establecen un modelo constitutivo de la piel humana capaz de representar el comportamiento anisotrópico no lineal. Estos últimos autores también compararon las propiedades biomecánicas de la piel humana con las del tejido de roedor (ratas) encontrando que la diferencia más notable es la respuesta inicial del tejido a cargas bajas, donde la extensión del tejido fue mucho mayor para la piel humana que su contraparte murina. El experimento se desarrolló incrementando lentamente la carga de 0 a 2 Newtons. La respuesta de los tejidos ante las cargas sugiere que se debe tener cuidado al usar piel murina como modelo biomecánicamente representativo del tejido humano.

Liu *et al.* [31] mencionan que los tejidos biológicos blandos exhiben una naturaleza viscoelástica compleja, son difíciles de sujetar, puesto que se deslizan con facilidad, y su deformación afecta la respuesta de carga. Estos autores destacan que la mayoría de los métodos de deformación existentes están basados en un modelo mecánico elástico, el cual no puede describir con precisión la deformación de los tejidos blandos.

Benítez y Montáns [32] de la Escuela Técnica Superior de Ingeniería Aeronáutica y del Espacio de Madrid, revisan los principales enfoques de modelado de materiales biológicos fibrosos blandos para modelar estados de deformación no homogéneos en la piel a través del análisis de elementos finitos, a partir de la comprensión del comportamiento mecánico de la

piel, de su microestructura y de la evidencia experimental disponible. Estos autores afirman que, la piel es un tejido blando arquetípico que presenta muchas características comunes a otros tejidos biológicos blandos, como ser una estructura reforzada con colágeno multicapa, con comportamiento no lineal, de características anisotrópicas, que incluye viscosidad, efectos de precondicionamiento, tensiones internas, crecimiento y adaptación del tejido. Además, se recalca que la estructura de la piel varía según la ubicación, la edad, el sexo, la raza y las enfermedades que haya soportado.

Es importante resaltar que la piel tiene tres capas principales: la epidermis, la dermis y la hipodermis. Para tensiones bajas la respuesta mecánica de la piel está gobernada por las fibras de elastina, mientras que la principal contribución mecánica en las tensiones grandes corresponde a las fibras de colágeno, siendo la distribución de colágeno (de preferencia direccional) la responsable del comportamiento anisotrópico de la piel, encontrando que el Módulo de Young para el Colágeno está entre 1 y 10 GPa y entre 100 y 350 KPa para la Elastina. También se menciona que la unidad mecánica y térmica más importante de la piel es la dermis, que suele modelarse como un material ortotrópico. De manera similar, la hipodermis actúa mecánicamente como un amortiguador a causa de los adipocitos (células grasas) que la componen, que a su vez se encargan de almacenar energía y proporcionar aislamiento térmico.

Los modelos fenomenológicos tienen la ventaja de no depender de la comprensión de la estructura del material, razón por la cual se han utilizado en la simulación de polímeros y se ha adecuado su uso en el modelado de tejidos biológicos en general y de la piel en particular, siendo el modelo más simple, el modelo neohookeano. Sin embargo, estos modelos son precisos únicamente para tensiones moderadas, para grandes tensiones se utilizan los modelos polinomiales. En los modelos polinomiales, el acoplamiento entre algunos de los términos es débil, por lo que es común considerar solo términos no acoplados (que no describen ninguna interacción entre ellos), dando lugar a nuevos modelos tales como: el modelo de Mooney o el modelo Mooney-Rivlin. A partir del teorema de expansión de Taylor, se deduce que el modelo polinomial puede generar excelentes predicciones si se consideran suficientes términos, pero al mismo tiempo, la determinación de los parámetros del material puede ser engorrosa, propensa a complicaciones numéricas y producir un comportamiento inestable. Por tal razón, otros modelos buscan una representación en términos de funciones más ajustadas, para poder utilizar menos parámetros, como es el caso de los modelos Rivlin-Saunders y Gent-Thomas [32].

Algunas investigaciones han tenido en cuenta los modelos fenomenológicos para incluir la hiperelasticidad en sus modelos de materiales, como en el caso de Wu *et al.* [33] que proponen un esquema de refinamiento adaptativo optimizado para la simulación FEM no lineal, utilizando un método de simulación de deformación de cuerpos blandos en tiempo real,

representando la no linealidad del material por medio del modelo de Mooney-Rivlin y el modelo neo-hookeano. Por su parte, Chanda *et al.* [34] de los Departamentos de Ingeniería Mecánica, Mecánica Aeroespacial y de Ciencias Biológicas de la Universidad de Alabama, caracterizan el comportamiento mecánico promedio de un maniquí biofidelico de tejido de piel humana utilizando un modelo de Veronda-Westmann, el cual es un modelo fenomenológico expresado mediante una función exponencial que captura la curva de tensión-deformación específica de los tejidos biológicos blandos. Luego de desarrollar el fantoma de tejido cutáneo humano de gran fidelidad utilizando silicona, produjeron un corte en el material y suturaron para cerrar la simulación de herida, posteriormente, estudiaron el efecto de la variación del tamaño de la herida, la sutura y la tensión previa en el comportamiento mecánico de la piel humana por medio de pruebas mecánicas uniaxiales y encontraron que la piel suturada mejora las propiedades mecánicas de la piel herida asemejándose a la piel natural sin heridas y que el comportamiento no lineal se puede caracterizar utilizando modelos de materiales constitutivos hiperelásticos como Mooney-Rivlin, Fung, Ogden, Yeoh, Veronda-Westmann y Martins. En relación con el modelo de Mooney, Oomens *et al.* [35] mencionan que este modelo presenta dificultades para describir el comportamiento no lineal y, por tal razón, algunos investigadores utilizan un modelo Ogden o un tipo de modelo Fung para simular el comportamiento mecánico de la piel.

Más tarde, Chanda y Callaway [36] caracterizaron el comportamiento mecánico de los compuestos blandos utilizando los modelos de Mooney-Rivlin, Humphrey y Veronda-Westmann. Estos modelos fueron comparados con el comportamiento mecánico anisotrópico de la piel humana, los tejidos pélvicos y los tejidos cerebrales, y detectaron que los anteriores modelos no eran los más sofisticados para la imitación precisa de las propiedades del material anisotrópico para tejidos blandos.

Como se mencionó anteriormente, los tejidos biológicos blandos exhiben una naturaleza viscoelástica compleja debido a lo cual la gran mayoría de los modelos no pueden describir con precisión el comportamiento de deformación de los tejidos blandos, por esta razón, Liu *et al.* [31], estudiaron la deformación y la retroalimentación háptica de los tejidos blandos en cirugía virtual basada en un modelo hepático mediante el uso de un dispositivo de retroalimentación de fuerza llamado PHANTOM OMNI® [37] desarrollado por SensAble Company™ en Estados Unidos. Los autores resaltan que los modelos más comunes y más utilizados están basados en mallas (como los FEM de mecánica continua y base matemática sólida, pero de elevada carga computacional y los modelos de masa-resorte que son de más fácil implementación y manejan cambios topológicos a un costo computacional reducido, pero no son muy precisos) aunque suelen surgir malformaciones y distorsiones e, idealmente, no pueden satisfacer las necesidades de la simulación de cirugía virtual en tiempo real. Por lo anterior, presentan un método libre de mallas para simular la interacción entre la herramienta quirúrgica

virtual y el tejido blando, llamado hidrodinámica de partículas suavizadas SPH (con alta carga computacional pero mayor precisión que el modelo masa-resorte). Revelan que la metodología SPH es adecuada para simular la deformación de tejido blando y el cálculo de la retroalimentación de fuerza, y la SPH basada en el área de interacción local dinámica tiene una mayor eficiencia computacional significativamente comparada con el SPH habitual.

En la figura 1 se muestran las áreas del tejido que se deforman luego de un contacto con un instrumento quirúrgico encontradas por el estudio anterior, donde se describe la existencia de un área de interacción, justo donde se ubica el instrumento quirúrgico, seguida de un área de propagación, que se deforma menos que la anterior y finalmente el área de no deformación mucho más alejada de la región donde contacta el instrumento médico al tejido.

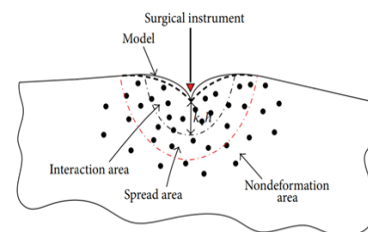


Figura 1: División del área de deformación debido a la interacción instrumento-tejido. Fuente: [31].

Se debe tener en cuenta que la aplicación de fuerzas óptimas entre los tejidos y las herramientas utilizadas en cirugía es fundamental tanto para el procedimiento quirúrgico como también para el aprendizaje médico. El conocimiento de las fuerzas de interacción herramienta-tejido es un aspecto muy importante para la seguridad y eficiencia del rendimiento quirúrgico. Sugiyama *et al.* [38] comparan variables de fuerza entre cirujanos con diferentes niveles de habilidad y encontraron que más del 50 % de los errores del cirujano son atribuibles a fuerzas excesivas que resultan en sangrado o repeticiones de las tareas. Los autores resaltan que los cirujanos novatos aplican mayores fuerzas que los cirujanos intermedios o experimentados durante el desarrollo de las diferentes tareas quirúrgicas y dicha experiencia se puede incrementar gracias al uso de tecnología, como los simuladores virtuales, en donde modelos computacionales intentan replicar las condiciones reales de un escenario quirúrgico.

Okamura *et al.* [39] observaron que se producen fuerzas de interacción en la punta y a lo largo del eje de la aguja cuando se inserta una aguja recta sobre tejido blando, razón por la cual formularon un modelo de fuerza que simula dicha inserción, dividiendo la fuerza de inserción en tres fuerzas esenciales: fuerzas de rigidez, fuerzas de fricción y fuerzas de corte. La fuerza en la punta de la aguja se produce por el corte del tejido y la fuerza a lo largo del eje de la aguja se debe a la fricción entre la aguja y el tejido. Jackson *et al.* [40], mencionan que la fuerza de fricción y la fuerza de corte son imposibles de eliminar de la fuerza total de interacción aguja-tejido, pero la fuerza de

barrido puede reducirse o incluso eliminarse si la aguja se mueve idealmente, puesto que al girar la aguja alrededor de su centro, la trayectoria se encuentra definida en forma de circunferencia, lo cual no genera áreas adicionales que puedan ser lesionadas dentro del tejido.

Existe un consenso general en la comunidad médica de que seguir la curvatura natural de la aguja produce la mejor sutura [41]. Cuando una aguja rígida de sutura se mueve a través de un tejido blando se genera una fuerza de distorsión interna estableciendo una fuente de trauma para el tejido. Por lo que las pautas de sutura recomiendan que la punta de la aguja penetre en la muestra de tejido de forma ortogonal, lo cual incrusta completamente la aguja en la muestra de tejido.

Park *et al.* [42], proponen un sistema de inserción de aguja integrado por tomografía de coherencia óptica (OCT) y por el sistema de control de presión intraocular (IOP) para medir las características de inserción de la aguja en el ojo. Observaron que, cuando la aguja solo toca la superficie del tejido sin hacer punción, esta comienza a recibir una fuerza del tejido y simultáneamente el tejido presenta un comportamiento mecánico de resorte, por lo que esta fuerza se denota como fuerza de rigidez. Cuando se produce la punción, la fuerza cae rápidamente y la aguja se inserta dentro del tejido. Mientras se mueve dentro del tejido, la aguja corta el tejido interior y experimenta fricción, lo que conlleva a la enunciación de las fuerzas de corte y de fricción respectivamente. Los autores también mencionan que el tipo de aguja es uno de los aspectos más relevantes a tener en cuenta cuando la aguja se inserta en el tejido blando, porque el diámetro y la forma de la punta de la aguja determinan la fuerza de inserción. De igual manera, la velocidad relativa entre la aguja y el tejido puede conducir a deformaciones del tejido gracias a la fuerza de interacción, por lo que también se debe tener en cuenta al momento de realizar una sutura.

Dentro de otros estudios importantes se encuentra el realizado por Jackson *et al.* [40] del Departamento de Ingeniería Eléctrica y Ciencias de la Computación de la Universidad Case Western Reserve en Cleveland, proponen emplear un filtro de Kalman sin pérdidas (UKF) para cirugía mínimamente invasiva asistida por robot que modela los componentes de fuerza en sutura y de la fuerza de deformación interna en particular, la cual es generada por una aguja a medida que se conduce a través de una muestra de tejido. El propósito del uso del filtro no es modelar con precisión la interacción de aguja-tejido real, sino desarrollar un marco para un impulso óptimo de la aguja aislando las fuerzas de deformación de las fuerzas totales con el fin de reducir las fuerzas internas de deformación del tejido.

Por otro lado, Shademan *et al.* [43] mejoran un sistema capaz de realizar diferentes tareas quirúrgicas, el cual consta de un Robot Autónomo de Tejido Inteligente (STAR), de 8 grados de libertad con tecnología de imágenes inteligentes integradas por visión pleóptica 3D y NIRF (Fluorescencia de infrarrojo cercano). Los autores demuestran que el sistema STAR es tan

hábil como los cirujanos expertos en ubicación de agujas sobre tejidos blandos deformables, sin embargo, es más lento en anastomosis que en cirugía abierta.

El sistema STAR detectó un rango de movimiento típico de las deformaciones de los tejidos blandos ubicado entre 0 y 6.5 mm. Los anteriores autores mencionan que las cirugías que involucran tejidos blandos no se han realizado de forma autónoma debido a limitaciones tecnológicas, tales como: la falta de sistemas de visión capaz de distinguir y rastrear los tejidos en entornos quirúrgicos dinámicos y la falta de algoritmos inteligentes que puedan ejecutar tareas quirúrgicas complejas. La ejecución de tareas quirúrgicas sobre tejidos blandos sigue siendo completamente manual bajo un paradigma controlado por humanos, la cirugía robótica autónoma se ha limitado a aplicaciones con anatomía rígida, como el corte óseo, porque estas son más predecibles, pero se espera que con la creciente adopción de la cirugía asistida por robot se puedan realizar estas labores de manera automatizada.

Finalmente, Ferro *et al.* [44] diseñan un filtro de Kalman extendido para estimar la posición de la aguja que fusiona la información cinemática de los sensores propioceptivos del robot Da Vinci con la información visual proporcionada por una cámara endoscópica monocular, la información visual permite detectar deslizamientos o movimientos no definidos inicialmente, causados por la interacción con los tejidos. El filtro brinda una estimación de la postura de la aguja a través de las velocidades lineales y angulares de la pinza proporcionada por la cinemática del manipulador y corregida por medio de la reconstrucción de la posición basada en el sistema de visión. Posteriormente, los autores desarrollan dos escenas de entrenamiento para mostrar la capacidad del robot simulado interactuando con objetos dinámicos rígidos.

## FUERZAS DE CONTACTO EN INSERCIÓN DE AGUJAS

Como se mencionó anteriormente, Okamura *et al.* [39] caracterizan las fuerzas de inserción de una aguja sobre tejido blando donde observaron que, cuando ocurre la punción existe un pico en la fuerza aplicada al tejido, seguido de algunas variaciones. Dichos cambios sucesivos en la fuerza son consecuencia de la fricción, las fuerzas de corte, la rigidez interna de las estructuras, las colisiones y perforaciones del tejido. El valor total de la fuerza de la aguja está definido por la suma de tres diferentes fuerzas: la fuerza de rigidez, la fuerza de fricción y la fuerza de corte [46]:

$$F_{\text{aguja}}(x) = F_{\text{rigidez}}(x) + F_{\text{fricción}}(x) + F_{\text{corte}}(x) \quad (1)$$

En la figura 2 se presenta con detalle las fuerzas de inserción de la aguja sobre el tejido. Cuando la aguja toca la superficie del tejido empieza a experimentar una fuerza del tejido (el cual muestra un comportamiento mecánico similar a un resorte) especificada como fuerza de rigidez. La fuerza de rigidez se produce antes de que ocurra la punción mientras que la fuerza

de fricción y la fuerza de corte se producen luego de esta punción principal. Cuando se efectúa la punción, la fuerza total disminuye rápidamente y la aguja se inserta dentro del tejido. Mientras se mueve por el interior del tejido, la aguja va cortando las estructuras que encuentra a su paso y, simultáneamente, experimenta la fuerza de fricción, estas fuerzas se denominan fuerza de corte y fuerza de fricción respectivamente.

La fuerza de corte incluye la deformación plástica derivada del corte del tejido, así como de la fuerza resultante de la rigidez tisular sobre la punta de la aguja. La fuerza de fricción también es una función de la rigidez interna del tejido y es generada principalmente a los lados del cuerpo de la aguja porque actúa en oposición al movimiento de la aguja en toda su longitud [42], [46], [47].

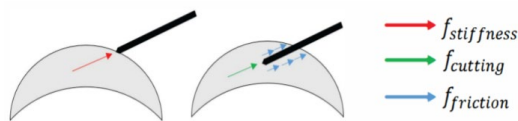


Figura 2: Componentes de la fuerza de inserción de una aguja. Fuente: [42].

## MATERIALES Y MÉTODOS

Recordemos que lo que se desea estudiar es la interacción entre un instrumento quirúrgico (aguja médica) y tejido blando (piel) en un procedimiento de sutura. Por tal razón se escoge el software ANSYS® versión 2019 R3 para realizar la simulación<sup>1</sup> de elementos finitos asociada a este proyecto. A continuación, se presentan los modelos geométricos utilizados, los modelos fisicomatemáticos asociados, el mallado de la geometría y la definición de condiciones iniciales. Finalmente se presenta la interacción de la aguja sobre el tejido de la piel y el movimiento de la aguja utilizando una herramienta de simulación robótica.

### Modelo de la aguja y el tejido para la simulación

Con el fin de facilitar el mallado de la geometría en el software de simulación y reducir la exigencia computacional, se simula la piel posterior del antebrazo como un material monocapa donde se encuentra una herida simple y superficial causada por un instrumento cortopunzante de borde filo. De esta manera, en Ansys Workbench® se diseña el modelo geométrico asociado de la piel y el músculo que cuenta con las siguientes dimensiones: 104 mm \* 104 mm con 2.38 mm de espesor para la capa de la piel y 10.3 mm de espesor para el tejido muscular con respecto al sistema de referencias asociado (que tiene su origen en la superficie de la piel, justo en la mitad de la herida). También se incluye un corte en el tejido, de manera que muestra una herida superficial provocada por un instrumento cortopunzante de 58 mm de largo con 10 mm de profundidad y

una apertura máxima a la mitad de la herida de 1 mm, como se presenta en la figura 3.

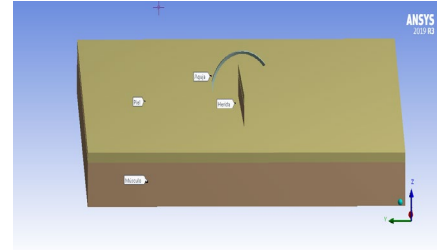


Figura 3: Modelo de aguja y tejido para simulación.

Considerando que los cirujanos seleccionan la forma y diámetro de la aguja basándose en el área y la geometría del tejido [52], se procede a utilizar una aguja monofilamento 4.0 para realizar una sutura sobre la extremidad superior de 3/8 de circunferencia, de corte inverso y 24 mm de longitud. La aguja se diseña con ayuda del software CAD SOLIDWORKS® en su versión 2018.

En la figura 4 se presenta el modelo geométrico de la aguja para realizar la simulación de una sutura simple.

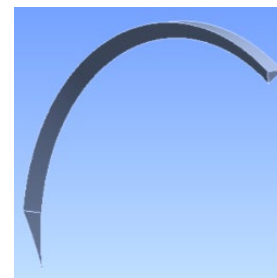


Figura 4: Aguja quirúrgica para sutura.

Luego de importar el modelo de la aguja es muy importante que su punta se posicione de manera ortogonal y a una distancia muy cercana de la superficie de la piel para minimizar el tiempo de solución.

### Mallado de la geometría y definición de condiciones iniciales

Luego de definir el modelo geométrico de la aguja y los tejidos se malla la geometría refinando las caras externas y el contorno de la herida. Después se asignan las cargas y las condiciones iniciales. El movimiento de la aguja es de tipo holonómico, de forma que la aguja ingresa por un único punto y a medida que la aguja avanza por el tejido el centro de la aguja también se desplaza. El movimiento rotacional de la aguja está definido por su rotación sobre el eje X, restringiendo las velocidades de rotación de la aguja a las velocidades reportadas en la literatura de acuerdo al procedimiento manual de sutura [22].

### Modelo fisicomatemático asociado

<sup>1</sup> Las especificaciones del equipo son: Workstation Dell Precision 5720 AIO con sistema Windows 10 pro®,

procesador Intel® core™ i7-7700 y 64 GB de memoria RAM.

Teniendo en cuenta los diferentes modelos que se han usado para modelar el comportamiento de la piel, se selecciona un modelo QLV que es un modelo fenomenológico que tiene en cuenta la viscoelasticidad del material y se puede implementar en el software de simulación escogido anteriormente. Para este modelo se ha ajustado una función de energía de deformación tipo Ogden con  $\mu = 0.0096$  MPa y  $\alpha = 35.993$ . La viscoelasticidad cuasilineal está determinada por una serie de Prony con  $g_1^{-P} = 0.3398$  y  $\tau_1^G = 1.685$  s (valores tomados como referencia de acuerdo a la revisión de la literatura y presentados por Flynn *et al* en el estudio [48]. Recordando que la precisión de los experimentos tuvo un error de ajuste del 7.23 %).

El modelo usado en este estudio considera que el tejido muscular tiene un módulo de Young de 100 KPa, un módulo elástico de 0.4 y corresponde con otros estudios presentados a nivel mundial [28], [49]–[51]. La aguja presenta un comportamiento rígido y se le asignan las propiedades del acero inoxidable conocidas mundialmente.

## RESULTADOS

### Interacciones de la aguja sobre el tejido de la piel

Una vez definido el modelo geométrico de la aguja y el tejido, se le infiere el modelo fisicomatemático asociado al comportamiento mecánico de la piel y el músculo. Posteriormente, se procede a ejecutar la solución FEM donde se calculan las fuerzas de interacción entre la aguja y el tejido y luego se realiza el análisis de estas.

A continuación, se presentan los resultados de las fuerzas de interacción, éstas son: fuerzas de contacto (Contact Force), fuerzas externas (External Force) y fuerzas de reacción (Force Reaction) reportando sus valores mínimos y máximos en newton.

### Fuerza de contacto y fuerza externa de la aguja

La figura 5 muestra la curva de valores calculados para la fuerza de contacto y para la fuerza externa de la aguja en dirección X.

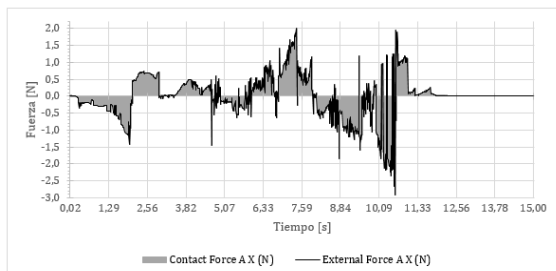


Figura 5: Fuerza de contacto y fuerza externa para la aguja en dirección X.

La figura 6 describe los valores de la fuerza de contacto y de la fuerza externa para la aguja en dirección Y, donde se puede observar que la mayoría de la fuerza de contacto es positiva debido a que la aguja siempre está presionando el tejido en dirección Y negativa, salvo cuando el tejido se rompe y la aguja

no toca físicamente el tejido y este intenta regresar a su forma inicial. La fuerza de contacto final, estabilizada en cero, indica que la aguja rompe el tejido y este no ofrece ninguna resistencia.

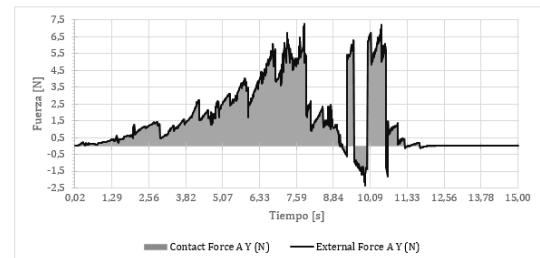


Figura 6: Fuerza de contacto y fuerza externa para la aguja en dirección Y.

La figura 7 describe los valores de la fuerza de contacto y de la fuerza externa para la aguja con dirección Z.

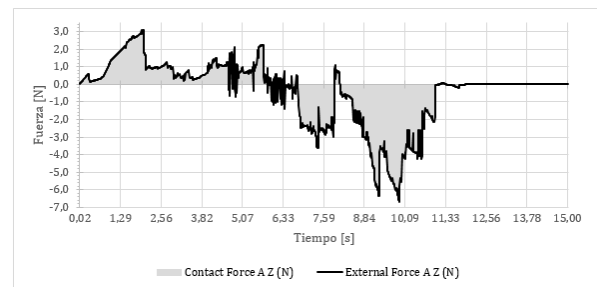


Figura 7: Fuerza de contacto y fuerza externa para la aguja en dirección Z.

Los valores positivos y negativos de la fuerza de contacto en dirección Z indican que la aguja presiona el tejido para penetrar y posteriormente tira de este para salir por el otro lado de la herida, el pico positivo indica la punción de entrada en el tejido mientras que los picos negativos la punción de salida de la punta y del cuerpo de la aguja.

Analizando las figuras 5, 6 Y 7 se establece la equivalencia entre la fuerza de contacto y la fuerza externa de la aguja. La fuerza externa de la aguja es la responsable del movimiento de la aguja debido a que las cargas son aplicadas sobre una de sus caras y por lo tanto es la causante de la existencia de contacto entre los cuerpos que encuentra en su camino.

Para determinar la fuerza de contacto resultante para la aguja se utiliza la expresión (2).

$$F_m = \sqrt{F_x^2 + F_y^2 + F_z^2} \quad (2)$$

Donde,  $F_m$  es la magnitud de la fuerza resultante dadas las magnitudes vectoriales de las tres dimensiones, determinadas por  $F_x$ ,  $F_y$  y  $F_z$  respectivamente. A continuación, se muestra la fuerza de contacto resultante de la aguja.

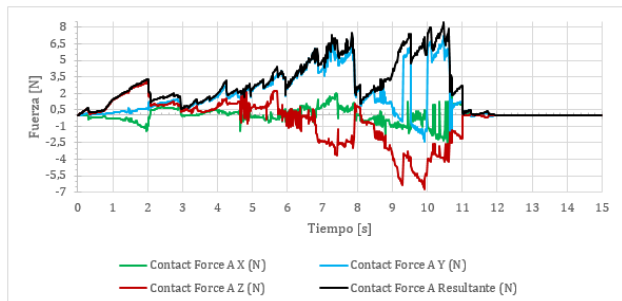


Figura 8: Fuerzas de contacto de la aguja.

Teniendo en cuenta la figura anterior, la fuerza resultante (curva de color negro) es un poco mayor que el valor absoluto de las máximas fuerzas vectoriales. El primer pico (dado en el tiempo cercano a 2 s) representa la fuerza de contacto requerida para la punción de entrada de la aguja, el segundo pico (justo antes de 8 s) indica la fuerza de contacto requerida para la punción de salida de la punta de la aguja por el otro lado de la herida y los últimos picos (entre 9 s y 11 s) evidencian la fuerza de contacto existente cuando se extrae el cuerpo de la aguja. La fuerza al final se establece en 0 N debido que el tejido es fracturado por la aguja y no existe contacto en la simulación.

El primer pico de fuerza es característico de la curva de fuerza de inserción de una aguja, esta información es coherente con los resultados reportados experimentalmente por Bao *et al.* en el estudio [53]. La figura 9 presenta la fuerza de inserción típica de una aguja en el hígado y la piel de un cerdo, los cuales son tejidos blandos de animales con características semejantes a las humanas.

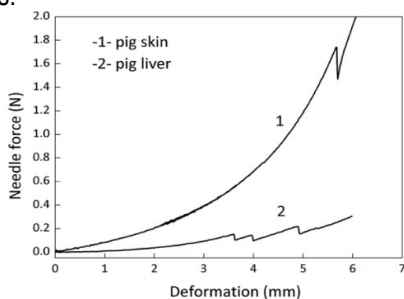


Figura 9: Fuerza de inserción sobre el hígado y la piel de un cerdo. Fuente: [53].

Comparando las figuras 8 y 9 se observa un primer pico de tensión seguido de una leve caída que indica la punción de la aguja sobre el tejido blando, los valores numéricos de la fuerza en el pico de punción difieren entre los diferentes tejidos probablemente debido a influencias como la velocidad, la geometría de la aguja, las propiedades mecánicas, la localización y el tipo de tejido blando. Por lo cual el resultado obtenido es acorde, coherente y aproximado con otros estudios reportados en la literatura [45], [53].

Para facilitar la comparación del análisis de interacciones entre este y otros estudios reportados en la literatura se presenta la curva de fuerzas para el movimiento holonómico y no holonómico de la aguja calculadas por Jackson y Cavusoglu

[45]. La figura 10 muestra la magnitud de las fuerzas detectadas por Jackson y Cavusoglu cuando una aguja se mueve de forma holonómica (a) y no holonómica (b). También se presentan las etapas del avance de la aguja iniciando con la sujeción y orientación, siguiendo con la punción y reorientación, continuando con la liberación y nueva sujeción, y finalizando con la extracción total de la aguja.

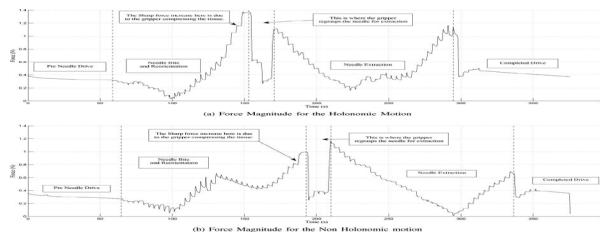


Figura 10: Magnitud de las fuerzas para el movimiento holonómico (a) y no holonómico (b). Fuente: [45].

Comparando la evolución de las fuerzas de las figuras 8 y 10 se encuentra similitud en cuanto a picos de fuerza en la punción de entrada, punción de salida y extracción de la aguja. Sin embargo los valores numéricos de la fuerza en nuestra simulación son mucho mayores a los hallados experimentalmente [45] (3.29 N contra 0.4 N aproximadamente para la punción de entrada, 7.53 N contra 1.4 N aproximadamente para la punción de salida y 8.5 N contra 1.3 N aproximadamente para la extracción durante el movimiento de tipo holonómico), esta diferencia puede estar asociada al uso de un fantoma de tejido subcuticular y los tiempos de ejecución de la sutura (15 s en este estudio contra 375 s aproximadamente en el encontrado en la literatura).

### Fuerza de reacción y fuerza externa de la piel

En nuestro estudio, también se encuentra equivalencia entre la fuerza de reacción y la fuerza externa de la piel al ser penetrada por la aguja. La figura 11 muestra la curva de valores para estas fuerzas en dirección X, donde se puede notar que la fuerza externa de la piel tiene un primer pico negativo debido a la punción de entrada de la aguja, posteriormente se mantienen los niveles de fuerza hasta que punciona internamente la segunda parte de la herida y se incrementan los picos de tensión tanto como se introduce la aguja en el tejido hasta que ocurre la punción de salida (manteniendo dos puntos de contacto con la aguja y uno con el tejido muscular). Finalmente se rompe el modelo geométrico del tejido y la piel no percibe más fuerzas externas.

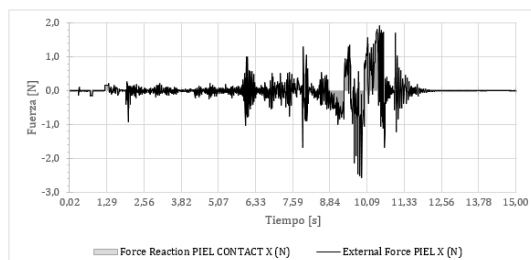


Figura 11: Fuerza de reacción y fuerza externa de la piel en dirección X.



La figura 12 muestra los valores numéricos de la fuerza de reacción y de la fuerza externa de la piel en dirección Y.

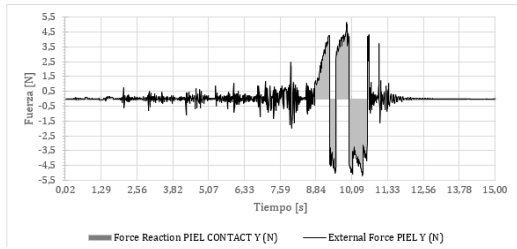


Figura 12: Fuerza de reacción y fuerza externa de la piel en dirección Y.

La figura 13 muestra los valores de la fuerza de reacción y fuerza externa de la piel en dirección Z.

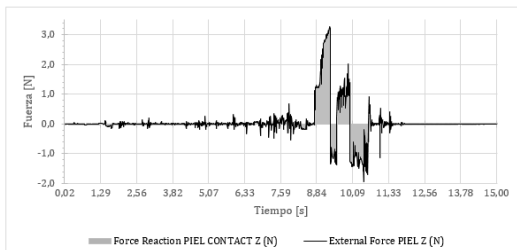


Figura 13: Fuerza de reacción y fuerza externa de la piel en dirección Z.

Teniendo en cuenta las figuras 11, 12 y 13 se observa que se incrementan las fuerzas externas de la piel cuando la aguja empieza a salir del tejido (alrededor de 8 s), posiblemente debido a que la aguja tiene fricción con el modelo de la piel en dos regiones, una primera ubicada en el punto de punción de entrada y otra sobre el punto de punción de salida, hasta que la cabeza de la aguja atraviesa completamente el punto de punción de entrada manteniendo contacto solo en el punto de salida, y finalmente se rompe el modelo del tejido. También se puede observar que la fuerza de reacción de la piel es igual a la fuerza externa que esta experimenta.

### Fuerza de contacto de la piel y fuerza de reacción de la aguja y el músculo

En este estudio se encuentra que los valores numéricos de la fuerza de reacción en la piel son inversos aditivos (opuestos) a los valores de la fuerza de contacto sobre la aguja y el músculo agrupados.

La figura 14 muestra los valores de la fuerza de contacto que experimentan la aguja y el músculo agrupados y la fuerza de reacción de la piel en dirección Z. La curva de la fuerza de reacción de la piel es un reflejo de la curva de la fuerza de contacto que percibe la aguja y el músculo en dirección Z. Es importante mencionar que se verifica la repetición de esta particularidad en todas las otras direcciones (las curvas de todas las fuerzas se encuentran en los anexos), esto indicaría que la piel reacciona a las fuerzas de los cuerpos con quien

presenta algún contacto, es decir, el modelo de la aguja y el músculo.

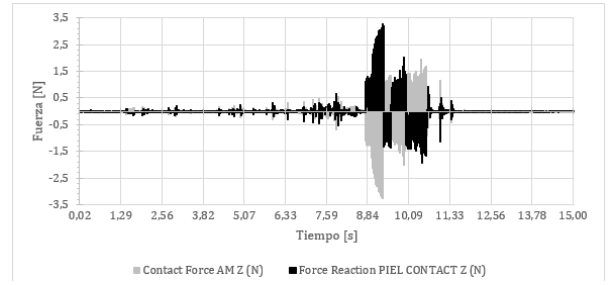


Figura 14: Fuerza de contacto para la aguja y el músculo y fuerza de reacción para la piel en dirección Z.

## CONCLUSIONES

Este artículo presentó el análisis de las fuerzas de contacto que tienen lugar cuando una aguja quirúrgica está atravesando el tejido de la piel. Usando un modelo fenomenológico QLV ajustado, se representa el comportamiento viscoelástico no lineal de la piel. La elasticidad no lineal está definida mediante una función de energía de deformación de tipo Ogden y la viscoelasticidad cuasilineal está determinada por medio de una serie de Prony. Presentando los resultados de las fuerzas de contacto y resaltando que estas están dentro del rango mencionado en la literatura. Se establece un gran avance para el desarrollo de simulaciones por elementos finitos para los tejidos biológicos blandos como para el procedimiento medico de sutura. Es de resaltar que adicional a las fuerzas de contacto, también se extraen las fuerzas externas y las fuerzas de reacción existentes entre los tejidos de la aguja, la piel y el músculo facilitando el análisis de la interacción entre un instrumento quirúrgico y un tejido blando. Las fuerzas encontradas tienen la potencialidad de definir restricciones en los sistemas médicos de entrenamiento virtual y de cirugía real asistida por robot (por supuesto, con ayuda y supervisión de personal médico y técnico profesional).

Se presenta la simulación por elementos finitos de la respuesta del tejido bajo una carga aplicada sobre una aguja, calculando y visualizando las curvas de fuerzas de contacto, fuerzas de reacción y fuerzas externas asociadas. El desarrollo de la simulación en Ansys Workbench® resultó de moderada implementación debido a que la asignación de las cargas es engorrosa y se debe tener mucho cuidado en la configuración de la solución. Sin embargo, la creación de los modelos geométricos y la definición de los modelos fisicomatemáticos asociados es sencilla brindando alta potencialidad para el análisis de los tejidos biológicos. Se presentó una novedosa forma de calcular el avance de la aguja dentro del tejido y la fuerza de contacto respectiva, utilizando una solución de cálculo rápido que incrementa mínimamente la carga computacional.

Desde una perspectiva clínica, los resultados de la simulación obtenidos permiten cuantificar las fuerzas que deben ser

aplicadas a una aguja en el procedimiento de sutura asistida por robot, ayudando a establecer la cinemática del robot, así como también a mejorar las plataformas virtuales de enseñanza y entrenamiento.

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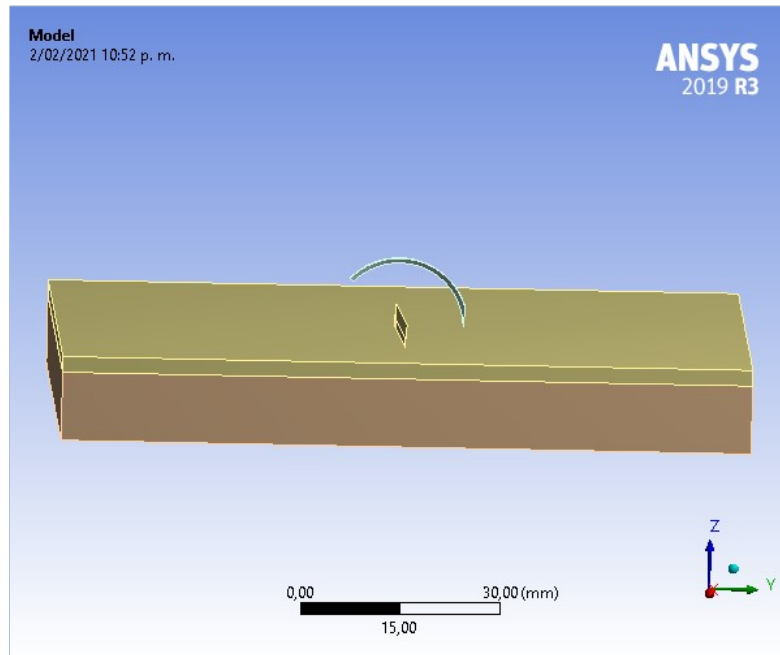
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## D. Reporte final de la solución por elementos finitos



### Project

First Saved	Thursday, July 23, 2020
Last Saved	Tuesday, February 2, 2021
Product Version	2019 R3
Save Project Before Solution	No
Save Project After Solution	No



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## Units

**TABLE 1**

Unit System	Metric (mm, t, N, s, mV, mA) Degrees rad/s Celsius
Angle	Degrees
Rotational Velocity	rad/s
Temperature	Celsius

## Model (C4)

### Geometry

**TABLE 2**  
**Model (C4) > Geometry**

Object Name	Geometry
State	Fully Defined
<b>Definition</b>	
Source	E:\TG Harold\HJ Modelo Ansys TG\TG\ViscoE4\ViscoE3_files\dp0\SYS-15\DM\SYS-15.scdoc
Type	SpaceClaim
Length Unit	Meters
Display Style	Body Color
<b>Bounding Box</b>	
Length X	104,36 mm
Length Y	104,36 mm
Length Z	22,965 mm
<b>Properties</b>	
Volume	1,3657e+005 mm <sup>3</sup>
Mass	1,74e-004 t
Scale Factor Value	1,
<b>Statistics</b>	
Bodies	3
Active Bodies	3
Nodes	14504
Elements	49292
Mesh Metric	None
<b>Update Options</b>	
Assign Default Material	No
<b>Basic Geometry Options</b>	
Solid Bodies	Yes
Surface Bodies	Yes
Line Bodies	Yes
Parameters	Independent
Parameter Key	
Attributes	Yes
Attribute Key	
Named Selections	Yes
Named Selection Key	
Material Properties	Yes
<b>Advanced Geometry Options</b>	
Use Associativity	Yes
Coordinate Systems	Yes

Coordinate System Key	
Reader Mode Saves Updated File	No
Use Instances	Yes
Smart CAD Update	Yes
Compare Parts On Update	No
Analysis Type	3-D
Mixed Import Resolution	None
Clean Bodies On Import	No
Stitch Surfaces On Import	None
Decompose Disjoint Geometry	Yes
Enclosure and Symmetry Processing	Yes

**TABLE 3**  
Model (C4) > Geometry > Parts

Object Name	SYS-6Musculo	SYS-6AgujaPS1-24MM	SYS-6Piel
State	Meshed		
<b>Graphics Properties</b>			
Visible	Yes		
Transparency	1		
<b>Definition</b>			
Suppressed	No		
Stiffness Behavior	Flexible	Rigid	Flexible
Coordinate System	Default Coordinate System		Default Coordinate System
Reference Temperature	By Environment		
Reference Frame	Lagrangian		
<b>Material</b>			
Assignment	MusculoAnt	Stainless Steel NL	PielOgden
<b>Bounding Box</b>			
Length X	104,36 mm	0,86669 mm	104,36 mm
Length Y	104,36 mm	17,439 mm	104,36 mm
Length Z	10,3 mm	10,276 mm	2,38 mm
<b>Properties</b>			
Volume	1,1096e+005 mm <sup>3</sup>	7,0551 mm <sup>3</sup>	25604 mm <sup>3</sup>
Mass	1,1762e-004 t	5,4677e-008 t	5,6329e-005 t
Centroid X	6,0358 mm	7,4004 mm	6,0358 mm
Centroid Y	-9,8799 mm	-7,9895 mm	-9,8799 mm
Centroid Z	-14,418 mm	1,0357 mm	-8,0725 mm
Moment of Inertia Ip1	0,10748 t-mm <sup>2</sup>	1,8571e-006 t-mm <sup>2</sup>	5,1071e-002 t-mm <sup>2</sup>
Moment of Inertia Ip2	0,10741 t-mm <sup>2</sup>	1,4526e-007 t-mm <sup>2</sup>	5,1029e-002 t-mm <sup>2</sup>
Moment of Inertia Ip3	0,21281 t-mm <sup>2</sup>	1,7153e-006 t-mm <sup>2</sup>	0,10205 t-mm <sup>2</sup>
<b>Statistics</b>			
Nodes	10249	71	4184
Elements	47243	77	1972
Mesh Metric	None		
<b>CAD Attributes</b>			
PartTolerance:	0,00000001		
Color:143.175.143			
Color:143.149.175			

**TABLE 4**  
Model (C4) > Materials

Object Name	Materials
State	Fully Defined
<b>Statistics</b>	
Materials	12
Material Assignments	0

## Coordinate Systems

**TABLE 5**  
Model (C4) > Coordinate Systems > Coordinate System

Object Name	Global Coordinate System	Coordenada centro herida	Coordenada punta aguja
State	Fully Defined		
<b>Definition</b>			
Type	Cartesian		
Suppressed	No		
<b>Origin</b>			
Origin X	0, mm	7,4 mm	7,4004 mm
Origin Y	0, mm	-9,8799 mm	-0,5 mm
Origin Z	0, mm	-6,8825 mm	-6,873 mm
Define By	Global Coordinates		Geometry Selection
Location	Defined		
Geometry			Defined
<b>Directional Vectors</b>			
X Axis Data	[ 1, 0, 0, ]		[-1, 0, 0, ]
Y Axis Data	[ 0, 1, 0, ]		[ 0, -1, 0, ]
Z Axis Data	[ 0, 0, 1, ]		
<b>Principal Axis</b>			
Axis	X		
Define By	Global X Axis		
<b>Orientation About Principal Axis</b>			
Axis	Y		
Define By	Default		
<b>Transformations</b>			
Base Configuration	Absolute		
Transformed Configuration	[ 7,4 -9,8799 -6,8825 ]	[ 7,4004 -0,5 -6,873 ]	

## Connections

**TABLE 6**  
Model (C4) > Connections

Object Name	Connections
State	Fully Defined
<b>Auto Detection</b>	
Generate Automatic Connection On Refresh	Yes
<b>Transparency</b>	
Enabled	Yes

**TABLE 7**  
Model (C4) > Connections > Contacts

Object Name	Contacts
State	Fully Defined
<b>Definition</b>	
Connection Type	Contact
<b>Scope</b>	
Scoping Method	Geometry Selection
Geometry	All Bodies
<b>Auto Detection</b>	
Tolerance Type	Slider
Tolerance Slider	0,
Tolerance Value	0,37341 mm
Use Range	No
Face/Face	Yes
Face-Face Angle Tolerance	75, °
Face Overlap Tolerance	Off
Cylindrical Faces	Include
Face/Edge	No
Edge/Edge	No
Priority	Include All
Group By	Bodies
Search Across	Bodies
<b>Statistics</b>	
Connections	1
Active Connections	1

**TABLE 8**  
Model (C4) > Connections > Contacts > Contact Regions

Object Name	Contact Region
State	Fully Defined
<b>Scope</b>	
Scoping Method	Geometry Selection
Contact	1 Face
Target	1 Face
Contact Bodies	SYS-6\Musculo
Target Bodies	SYS-6\Piel
Protected	No
<b>Definition</b>	
Type	Bonded
Scope Mode	Automatic
Behavior	Program Controlled
Trim Contact	Program Controlled
Trim Tolerance	0,37341 mm
Maximum Offset	1,e-004 mm
Breakable	No
Suppressed	No

**TABLE 9**  
Model (C4) > Connections > Body Interactions

Object Name	Body Interactions
State	Fully Defined
<b>Advanced</b>	
Contact Detection	Trajectory
Formulation	Penalty
Sliding Contact	Discrete Surface
Body Self Contact	Program Controlled
Element Self Contact	Program Controlled
Tolerance	0,2

**TABLE 10**  
Model (C4) > Connections > Body Interactions > Body Interaction

Object Name	Body Interaction
State	Fully Defined
<b>Scope</b>	
Scoping Method	Geometry Selection
Geometry	All Bodies
<b>Definition</b>	
Type	Frictionless
Suppressed	No

## Mesh

**TABLE 11**  
Model (C4) > Mesh

Object Name	Mesh
-------------	------

State	Solved
<b>Display</b>	
Display Style	Use Geometry Setting
<b>Defaults</b>	
Physics Preference	Explicit
Element Order	Linear
Element Size	2,5 mm
<b>Sizing</b>	
Use Adaptive Sizing	Yes
Resolution	Default (4)
Mesh Defeaturing	Yes
Defeature Size	Default
Transition	Slow
Span Angle Center	Coarse
Initial Size Seed	Assembly
Bounding Box Diagonal	149,36 mm
Average Surface Area	1909,3 mm <sup>2</sup>
Minimum Edge Length	0,86603 mm
<b>Quality</b>	
Check Mesh Quality	Yes, Errors
Target Quality	Default (0.050000)
Smoothing	High
Mesh Metric	None
<b>Inflation</b>	
Use Automatic Inflation	None
Inflation Option	Smooth Transition
Transition Ratio	0,272
Maximum Layers	5
Growth Rate	1,2
Inflation Algorithm	Pre
View Advanced Options	No
<b>Advanced</b>	
Number of CPUs for Parallel Part Meshing	Program Controlled
Straight Sided Elements	Yes
Rigid Body Behavior	Full Mesh
Rigid Face Mesh Type	Quad/Tri
Triangle Surface Mesher	Program Controlled
Topology Checking	Yes
Pinch Tolerance	Please Define
Generate Pinch on Refresh	No
<b>Statistics</b>	
Nodes	14504
Elements	49292

TABLE 12

## Model (C4) &gt; Mesh &gt; Mesh Controls

Object Name	Face Meshing	Face Meshing 2	Face Meshing 3
State	Fully Defined		
<b>Scope</b>			
Scoping Method	Geometry Selection		
Geometry	1 Face	3 Faces	1 Face
<b>Definition</b>			
Suppressed	No		
Mapped Mesh	Yes		
Constrain Boundary	No		
<b>Advanced</b>			
Specified Sides	No Selection		
Specified Corners	No Selection		
Specified Ends	No Selection		

## Named Selections

TABLE 13

## Model (C4) &gt; Named Selections &gt; Named Selections

Object Name	PuntaA
State	Fully Defined
<b>Scope</b>	
Scoping Method	Geometry Selection
Geometry	1 Vertex
<b>Definition</b>	
Send to Solver	Yes
Protected	Program Controlled
Visible	Yes
Program Controlled Inflation	Exclude
<b>Statistics</b>	
Type	Manual
Total Selection	1 Vertex
Suppressed	0
Used by Mesh Worksheet	No

## Explicit Dynamics (C5)

TABLE 14

## Model (C4) &gt; Analysis

Object Name	Explicit Dynamics (C5)
State	Solved



Definition	
Physics Type	Structural
Analysis Type	Explicit Dynamics
Solver Target	AUTODYN
Options	
Environment Temperature	22, °C
Generate Input Only	No

**TABLE 15**  
**Model (C4) > Explicit Dynamics (C5) > Initial Conditions**

Object Name	Initial Conditions
State	Fully Defined

**TABLE 16**  
**Model (C4) > Explicit Dynamics (C5) > Initial Conditions > Initial Condition**

Object Name	Pre-Stress (None)
State	Fully Defined
Definition	
Pre-Stress Environment	None Available
Pressure Initialization	From Deformed State

**TABLE 17**  
**Model (C4) > Explicit Dynamics (C5) > Analysis Settings**

Object Name	Analysis Settings
State	Fully Defined
Analysis Settings Preference	
Type	Program Controlled
Step Controls	
Number Of Steps	15
Current Step Number	1
End Time	1,
Resume From Cycle	0
Maximum Number of Cycles	1e+07
Maximum Energy Error	10000,
Reference Energy Cycle	0
Initial Time Step	Program Controlled
Minimum Time Step	Program Controlled
Maximum Time Step	Program Controlled
Time Step Safety Factor	0,9
Characteristic Dimension	Diagonals
Automatic Mass Scaling	No
Solver Controls	
Solve Units	mm, mg, ms
Beam Solution Type	Bending
Beam Time Step Safety Factor	0,5
Hex Integration Type	Exact
Shell Sublayers	3
Shell Shear Correction Factor	0,8333
Shell BWC Warp Correction	Yes
Shell Thickness Update	Nodal
Tet Integration	Average Nodal Pressure
Shell Inertia Update	Recompute
Density Update	Program Controlled
Minimum Velocity	1,e-003 mm s <sup>-1</sup>
Maximum Velocity	1,e+013 mm s <sup>-1</sup>
Radius Cutoff	1,e-003
Minimum Strain Rate Cutoff	1,e-010
Euler Domain Controls	
Domain Size Definition	Program Controlled
Display Euler Domain	Yes
Scope	All Bodies
X Scale factor	1,2
Y Scale factor	1,2
Z Scale factor	1,2
Domain Resolution Definition	Total Cells
Total Cells	2,5e+05
Lower X Face	Flow Out
Lower Y Face	Flow Out
Lower Z Face	Flow Out
Upper X Face	Flow Out
Upper Y Face	Flow Out
Upper Z Face	Flow Out
Euler Tracking	By Body
Damping Controls	
Linear Artificial Viscosity	0,2
Quadratic Artificial Viscosity	1,
Linear Viscosity in Expansion	No
Artificial Viscosity For Shells	Yes
Hourglass Damping	AUTODYN Standard
Viscous Coefficient	0,1
Static Damping	0,
Erosion Controls	
On Geometric Strain Limit	Yes
Geometric Strain Limit	1,5
On Material Failure	No
On Minimum Element Time Step	No
Retain Inertia of Eroded Material	Yes

Output Controls	
Step-aware Output Controls	Yes
Save Results on	Cycles
Result Cycles	1000
Save Restart Files on	Cycles
Restart Cycles	1000
Save Result Tracker Data on	Cycles
Tracker Cycles	1000
Output Contact Forces	Equally Spaced Points
Analysis Data Management	
Solver Files Directory	E:\TG Harold\HJ Modelo Ansys TG\TG\ViscoE4\ViscoE3_files\dp0\SYS-16\MECH\
Scratch Solver Files Directory	

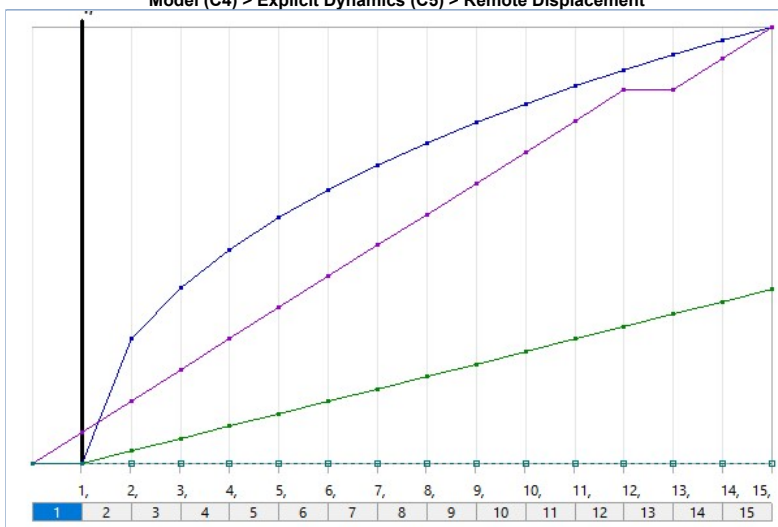
**TABLE 18**  
**Model (C4) > Explicit Dynamics (C5) > Analysis Settings**  
**Step-Specific "Step Controls"**

Step	End Time
1	1,
2	2,
3	3,
4	4,
5	5,
6	6,
7	7,
8	8,
9	9,
10	10,
11	11,
12	12,
13	13,
14	14,
15	15,

**TABLE 19**  
**Model (C4) > Explicit Dynamics (C5) > Loads**

Object Name	Fixed Support	Remote Displacement
State	Fully Defined	
Scope		
Scoping Method	Geometry Selection	
Geometry	5 Faces	1 Face
Coordinate System	Coordenada punta aguja	
X Coordinate	0, mm	
Y Coordinate	9,3799 mm	
Z Coordinate	0, mm	
Location	Defined	
Definition		
Type	Fixed Support	Remote Displacement
Suppressed	No	
X Component	0, mm (ramped)	
Y Component	Tabular Data	
Z Component	Tabular Data	
Rotation X	Tabular Data	
Rotation Y	0, ° (ramped)	
Rotation Z	0, ° (ramped)	
Behavior	Rigid	
Advanced		
Pinball Region	All	

**FIGURE 1**  
**Model (C4) > Explicit Dynamics (C5) > Remote Displacement**



**TABLE 20**  
**Model (C4) > Explicit Dynamics (C5) > Remote Displacement**

Steps	Time [s]	X [mm]	Y [mm]	Z [mm]	RX [°]	RY [°]	RZ [°]
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

1	0,	= 0,	0,	0,	0,	= 0,	= 0,		
	1,				22,				
2	2,				0,2			2,009	44,
3	3,				0,4			2,826	66,
4	4,				0,6			3,444	88,
5	5,				0,8			3,957	110,
6	6,				1,			4,401	132,
7	7,				1,2			4,796	154,
8	8,				1,4			5,154	176,
9	9,				1,6			5,48	198,
10	10,				1,8			5,782	220,
11	11,				2,			6,062	242,
12	12,				2,2			6,323	264,
13	13,				2,4			6,568	
14	14,				2,6			6,798	286,
15	15,	2,8	7,014	308,					

Solution (C6)

TABLE 21  
Model (C4) > Explicit Dynamics (C5) > Solution

Object Name	Solution (C6)
State	Solved
<b>Information</b>	
Status	Done
<b>Post Processing</b>	
Beam Section Results	No

TABLE 22  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information

Object Name	Solution Information
State	Solved
<b>Solution Information</b>	
Solution Output	Solver Output
Update Interval	2,5 s
Display Points	All
Display Filter During Solve	Yes

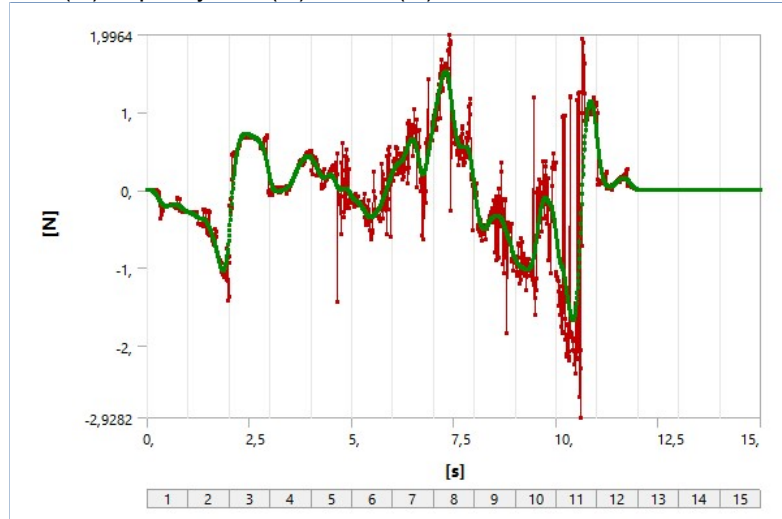
TABLE 23  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Results

Object Name	Total Deformation PIEL	Equivalent Stress PIEL
State	Solved	
<b>Scope</b>		
Scoping Method	Geometry Selection	
Geometry	1 Body	
<b>Definition</b>		
Type	Total Deformation	Equivalent (von-Mises) Stress
By	Time	
Display Time	Last	
Suppressed	No	
<b>Results</b>		
Minimum	4,1862e-006 mm	5,4036e-007 MPa
Maximum	89076 mm	1,6574e-002 MPa
Average	74,297 mm	1,1717e-003 MPa
Minimum Occurs On	SYS-6\Piel	
Maximum Occurs On	SYS-6\Piel	
<b>Information</b>		
Time	15, s	
Set	1468	
Cycle Number	1458857	
<b>Integration Point Results</b>		
Display Option	Averaged	
Average Across Bodies	No	

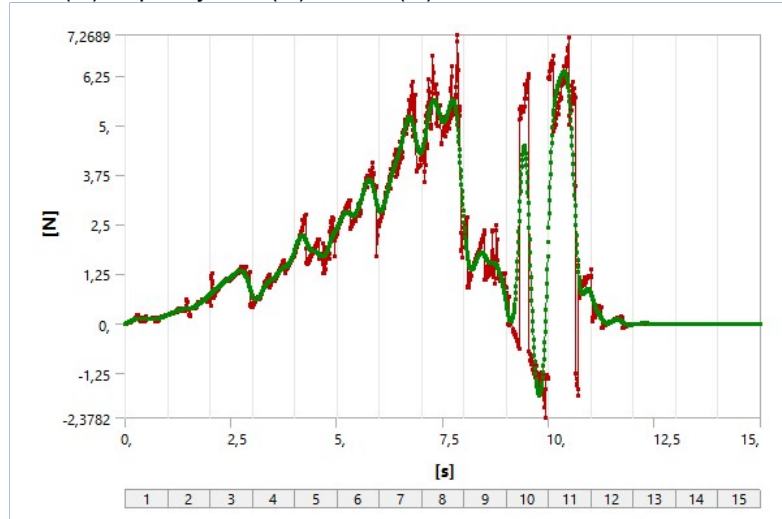
TABLE 24  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Result Charts

Object Name	Contact Force A X	Contact Force A Y	Contact Force A Z	Contact Force all bodies X	Contact Force all bodies Y	Contact Force all bodies Z	Contact Force M X	Contact Force M Y	Contact Force M Z	Contact Force AP X	Contact Force AP Y
State	Solved										
<b>Scope</b>											
Geometry	1 Body			3 Bodies			1 Body		2 Bodies		
<b>Definition</b>											
Type	Contact Force										
Orientation	X Axis	Y Axis	Z Axis	X Axis	Y Axis	Z Axis	X Axis	Y Axis	Z Axis	X Axis	Y Axis
Suppressed	No										
<b>Results</b>											
Minimum	-2,9282 N	-2,3782 N	-6,7139 N	-1,4312e-003 N	-1,1814e-002 N	-6,5458e-003 N	-2,4065 N	-6,7447 N	-3,0367 N	-3,8442 N	-1,3795 N
Maximum	1,9964 N	7,2689 N	3,0993 N	2,4307e-004 N	1,6248e-003 N	1,4057e-003 N	3,8441 N	1,3795 N	5,9254 N	2,4065 N	6,7447 N
<b>Filter</b>											
Type	Butterworth										
Cut Frequency	1, Hz										
Minimum	-1,6756 N	-1,8142 N	-5,9858 N	-6,712e-005 N	-5,5143e-004 N	-3,0575e-004 N	-1,5086 N	-5,9434 N	-2,8246 N	-1,5538 N	-3,9731e-002 N
Maximum	1,5266 N	6,3594 N	2,8369 N	1,0634e-005 N	6,0317e-005 N	7,1118e-005 N	1,5538 N	3,9731e-002 N	4,9813 N	1,5086 N	5,9434 N

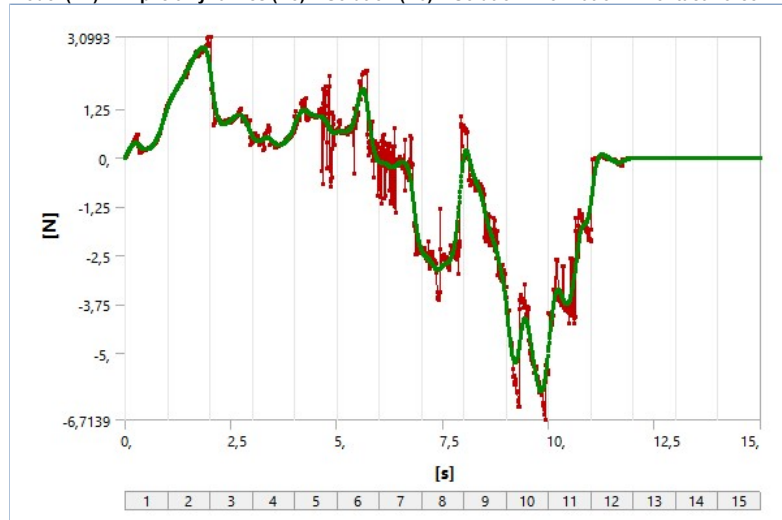
**FIGURE 2**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Contact Force A X



**FIGURE 3**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Contact Force A Y



**FIGURE 4**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Contact Force A Z



**FIGURE 5**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Contact Force all bodies X

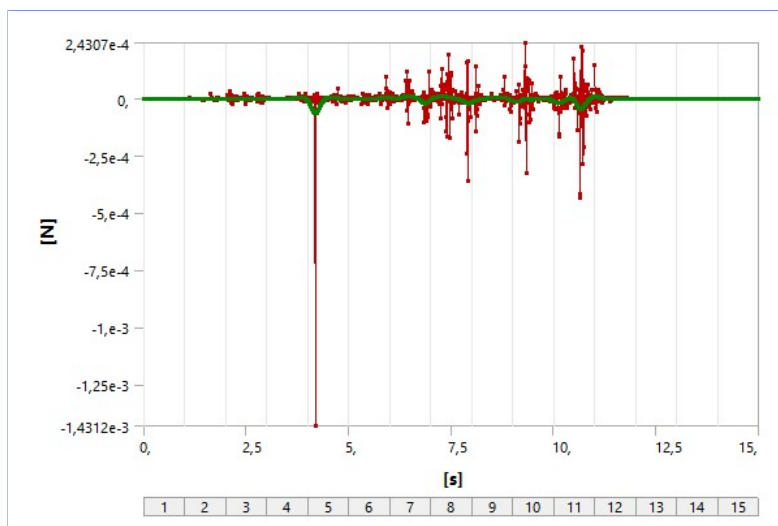


FIGURE 6  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Contact Force all bodies Y

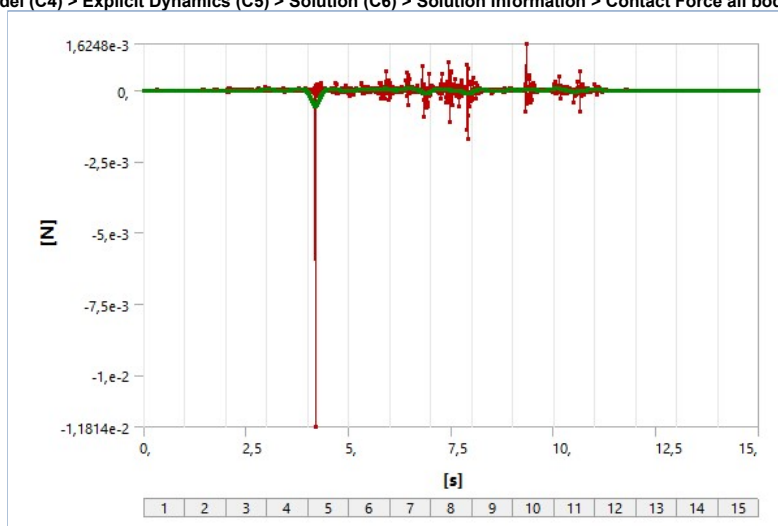


FIGURE 7  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Contact Force all bodies Z

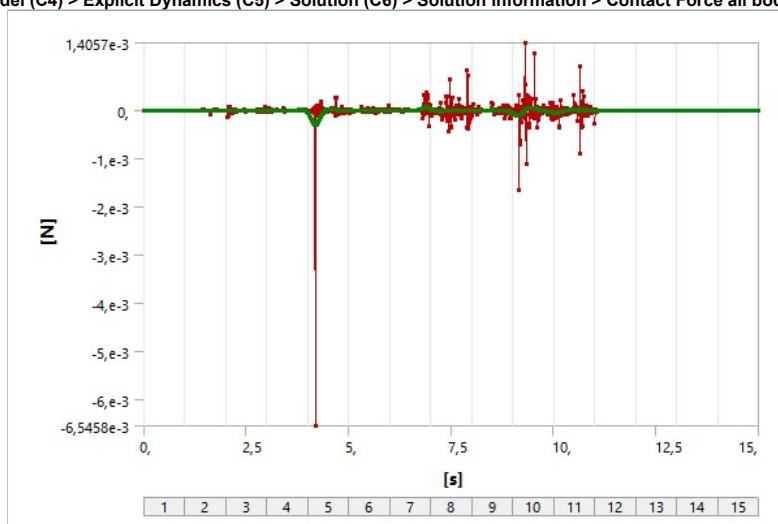
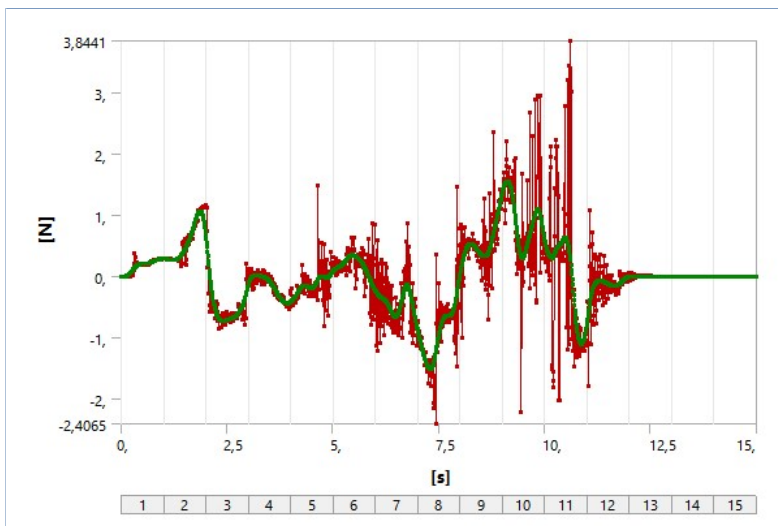
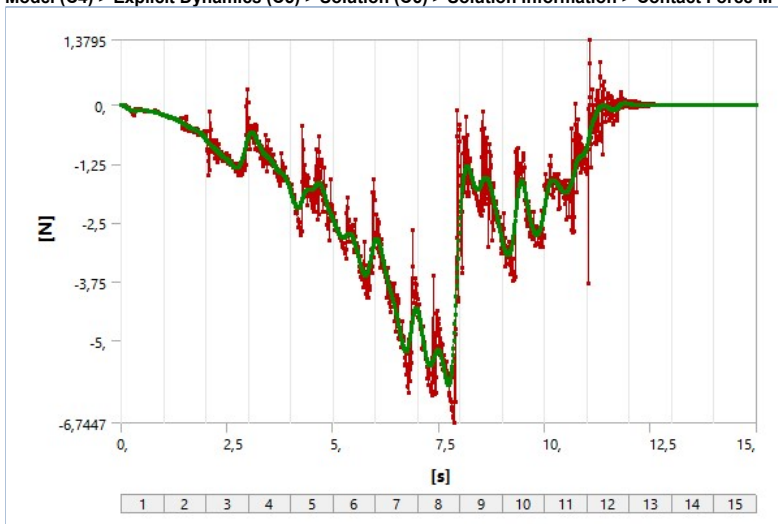


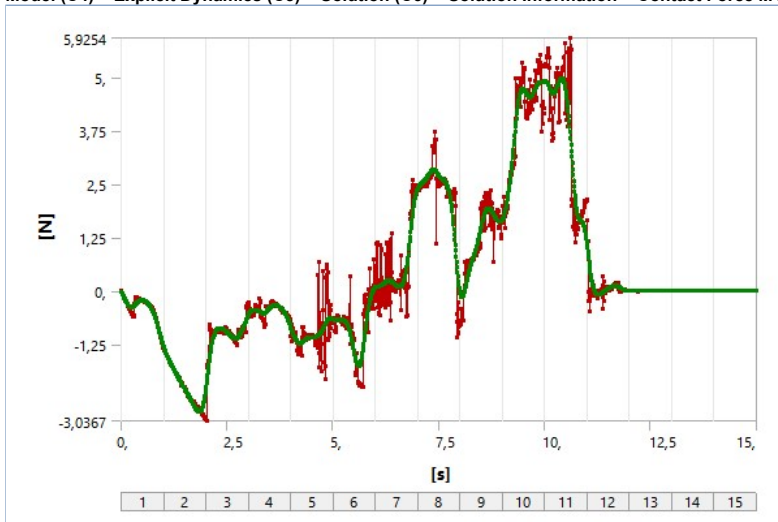
FIGURE 8  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Contact Force M X



**FIGURE 9**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Contact Force M Y



**FIGURE 10**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Contact Force M Z



**FIGURE 11**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Contact Force AP X

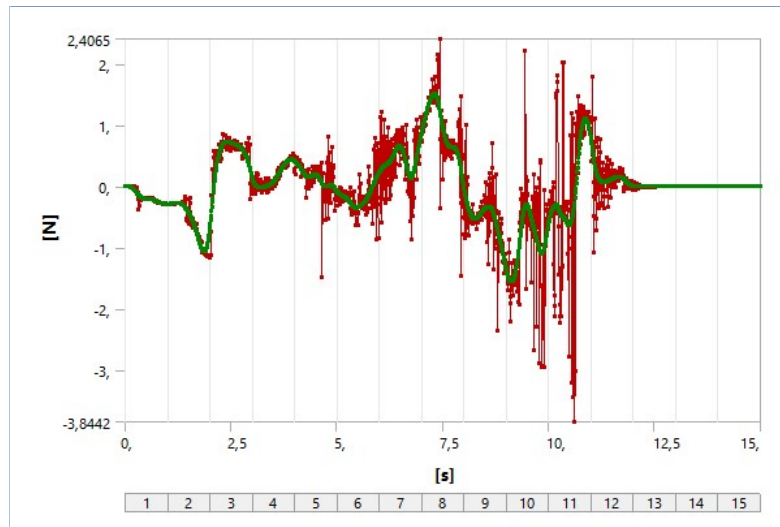


FIGURE 12  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Contact Force AP Y

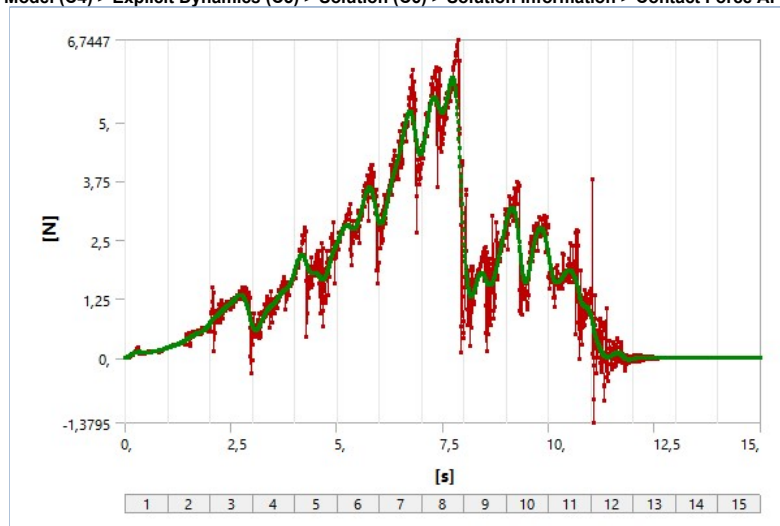


TABLE 25  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Result Charts

Object Name	Contact Force AP Z	Contact Force AM X	Contact Force AM Y	Contact Force AM Z	External Force A X	External Force A Y	External Force A Z	External Force PIEL X	External Force PIEL Y	External Force PIEL Z	External Force M X
State	Solved										
<b>Scope</b>											
Geometry	2 Bodies				1 Body						
<b>Definition</b>											
Type	Contact Force				External Force						
Orientation	Z Axis	X Axis	Y Axis	Z Axis	X Axis	Y Axis	Z Axis	X Axis	Y Axis	Z Axis	X Axis
Suppressed	No										
<b>Results</b>											
Minimum	-5,9254 N	-1,9155 N	-5,1345 N	-3,2634 N	-2,9282 N	-2,3782 N	-6,7139 N	-2,5605 N	-5,1811 N	-1,9367 N	-2,4955 N
Maximum	3,0367 N	2,5605 N	5,1811 N	1,9367 N	1,9964 N	7,2689 N	3,0993 N	1,9156 N	5,1345 N	3,2634 N	3,5288 N
<b>Filter</b>											
Type	Butterworth										
Cut Frequency	1, Hz										
Minimum	-4,9813 N	-1,1176 N	-4,5549 N	-2,7531 N	-1,6756 N	-1,8142 N	-5,9858 N	-0,9338 N	-4,6043 N	-1,2856 N	-0,70864 N
Maximum	2,8246 N	0,9338 N	4,6043 N	1,2856 N	1,5266 N	6,3594 N	2,8369 N	1,1176 N	4,5549 N	2,753 N	0,97 N

FIGURE 13  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Contact Force AP Z

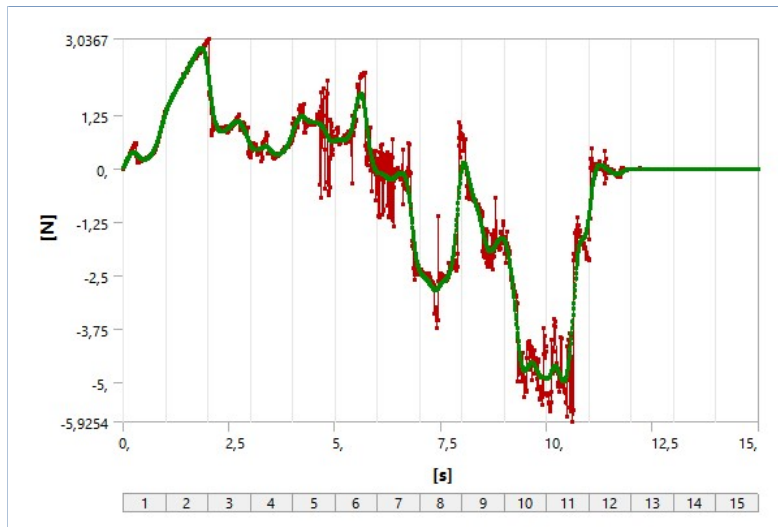


FIGURE 14

Model (C4) &gt; Explicit Dynamics (C5) &gt; Solution (C6) &gt; Solution Information &gt; Contact Force AM X

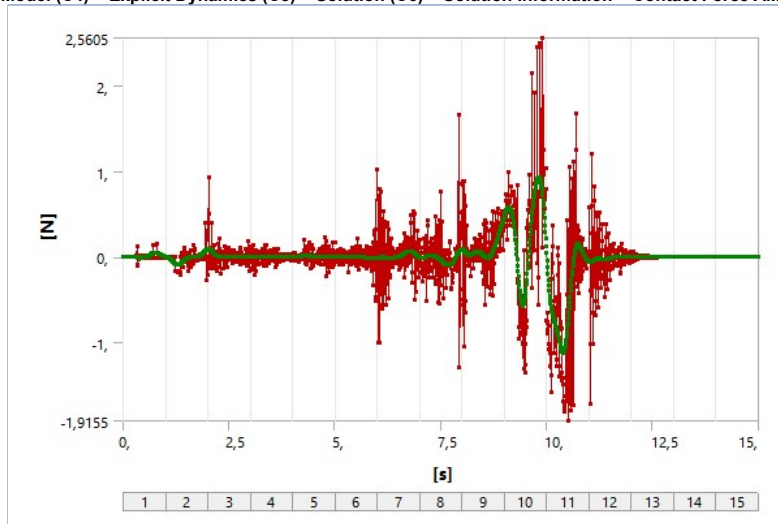


FIGURE 15

Model (C4) &gt; Explicit Dynamics (C5) &gt; Solution (C6) &gt; Solution Information &gt; Contact Force AM Y

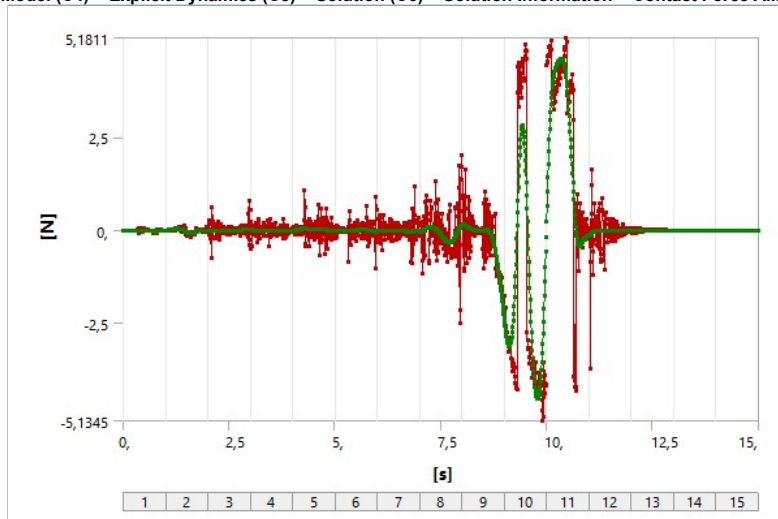


FIGURE 16

Model (C4) &gt; Explicit Dynamics (C5) &gt; Solution (C6) &gt; Solution Information &gt; Contact Force AM Z



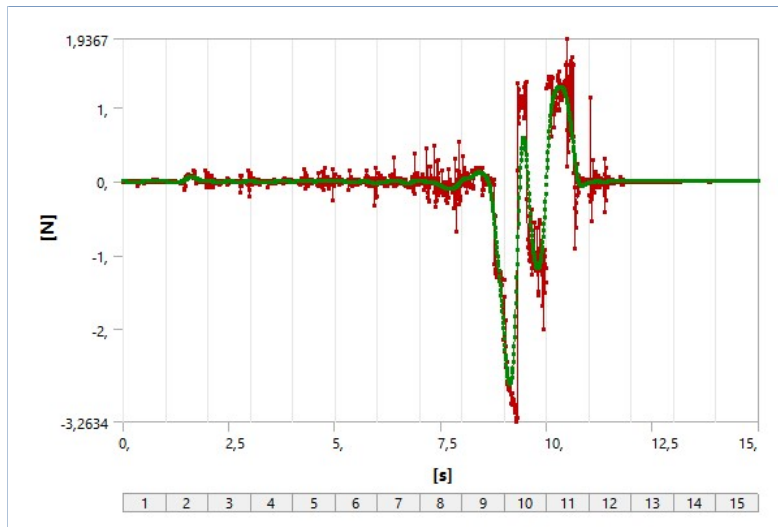


FIGURE 17

Model (C4) &gt; Explicit Dynamics (C5) &gt; Solution (C6) &gt; Solution Information &gt; External Force A X

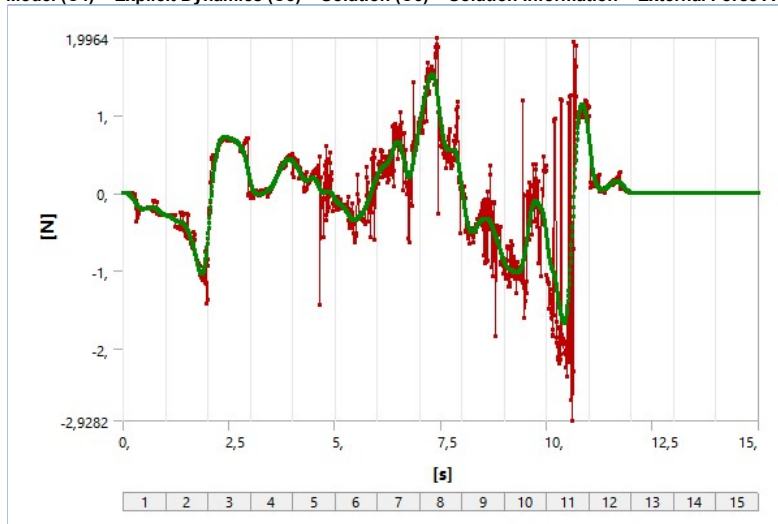


FIGURE 18

Model (C4) &gt; Explicit Dynamics (C5) &gt; Solution (C6) &gt; Solution Information &gt; External Force A Y

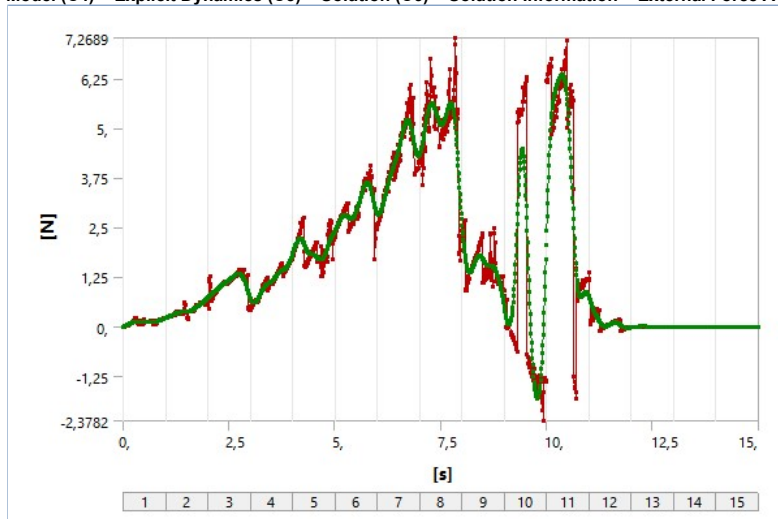


FIGURE 19

Model (C4) &gt; Explicit Dynamics (C5) &gt; Solution (C6) &gt; Solution Information &gt; External Force A Z

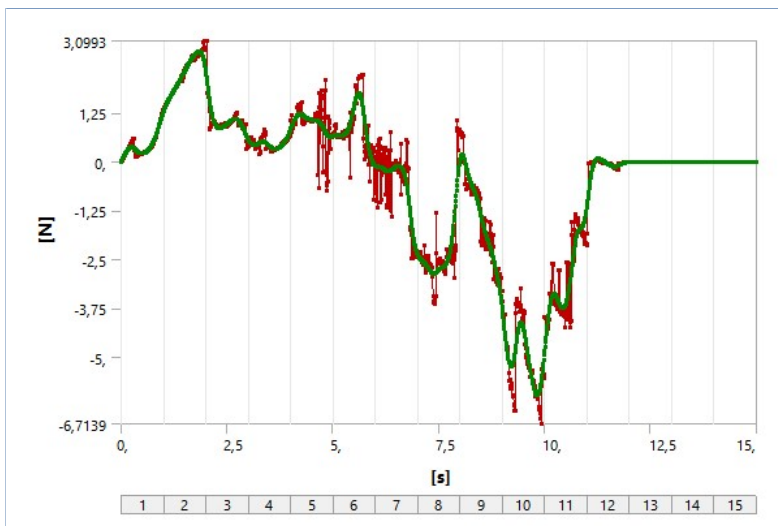


FIGURE 20  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > External Force PIEL X

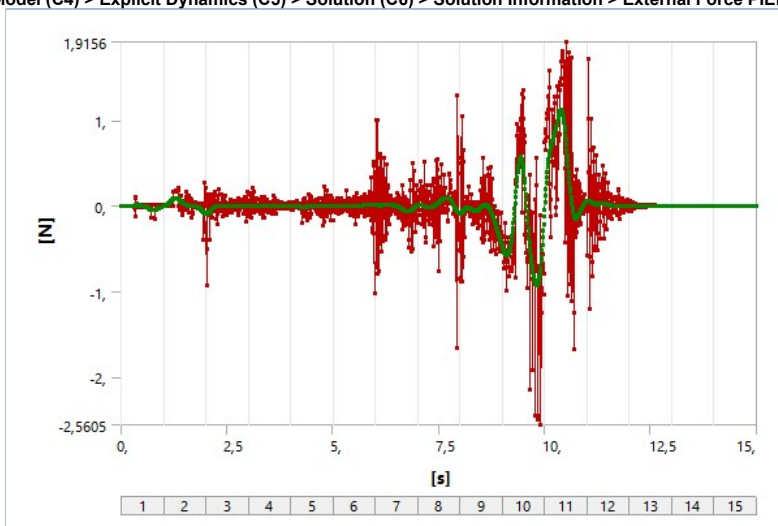


FIGURE 21  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > External Force PIEL Y

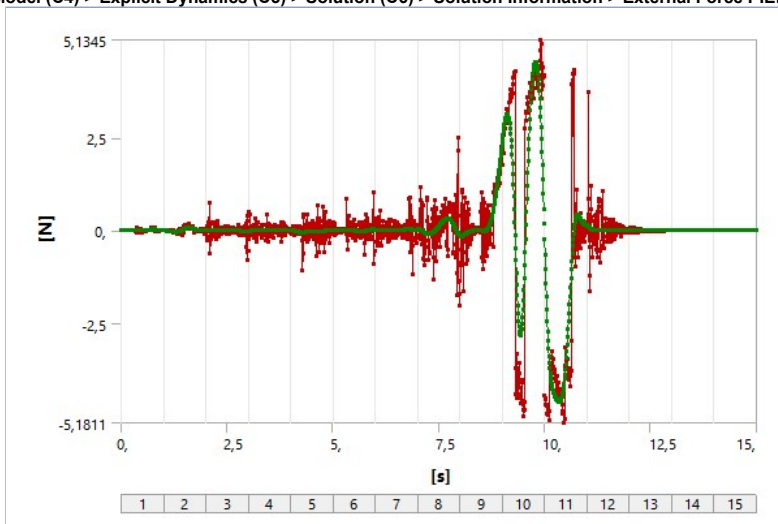
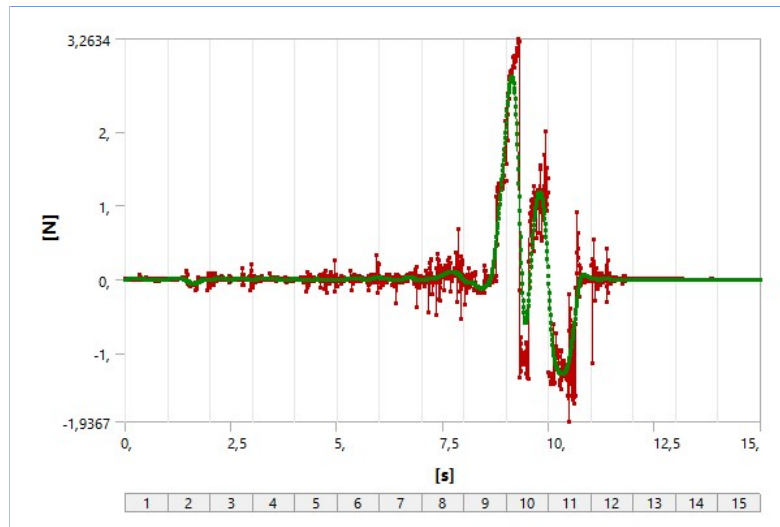
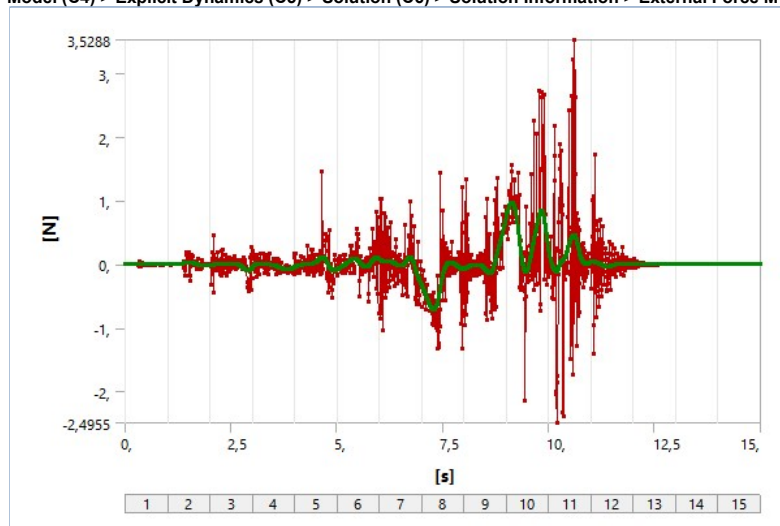


FIGURE 22  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > External Force PIEL Z



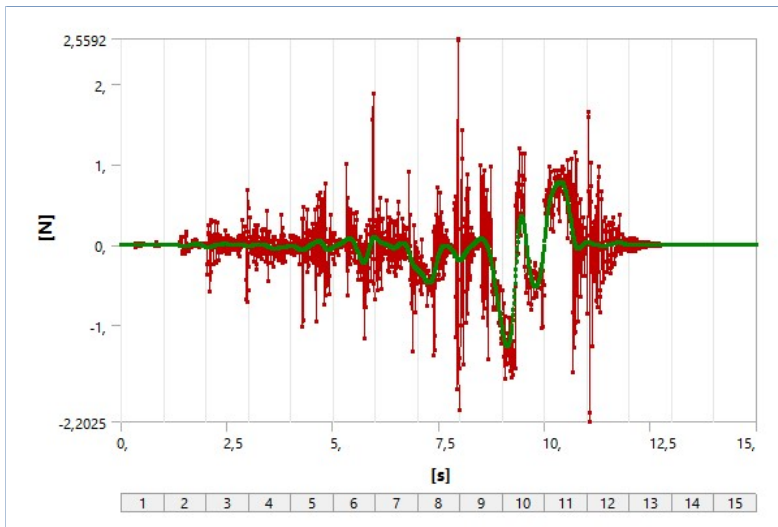
**FIGURE 23**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > External Force M X



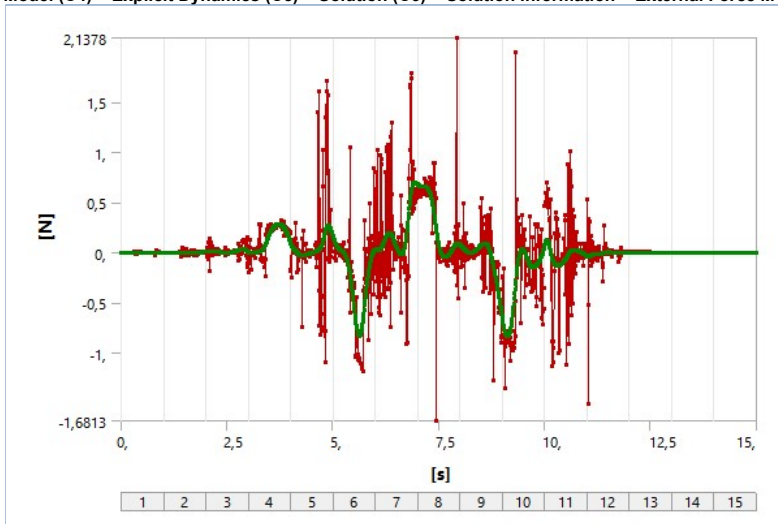
**TABLE 26**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Result Charts

Object Name	External Force M Y	External Force M Z	Force Reaction A SUPPORT Y CONTACT TOTAL	Force Reaction A CONTACT TOTAL	Force Reaction A SUPPORT TOTAL	Force Reaction PIEL SUPPORT Y CONTACTO TOTAL	Force Reaction PIEL CONTACT TOTAL	Force Reaction PIEL SUPPORT TOTAL	Force Reaction PIEL CONTACT X	Force Reaction PIEL CONTACT Y	Force Reaction PIEL CONTACT Z	
State	Solved											
Geometry	1 Body											
Type	External Force		Force Reaction									
Orientation	Y Axis	Z Axis	Total						X Axis	Y Axis	Z Axis	
Suppressed	No											
Location Method	Geometry Selection											
Force Component			All	Contact	Support	All	Contact	Support	Contact			
<b>Results</b>												
Minimum	-2,2025 N	-1,6813 N	0, N						-2,5605 N	-5,1811 N	-1,9367 N	
Maximum	2,5592 N	2,1378 N	2,6656e-007 N	8,496 N		5,5734 N		0, N	1,9156 N	5,1345 N	3,2634 N	
<b>Filter</b>												
Type	Butterworth											
Cut Frequency	1, Hz											
Minimum	-1,2623 N	-0,83898 N	-2,2352e-009 N	-3,2148e-003 N		-1,562e-003 N		0, N	-0,9338 N	-4,6043 N	-1,2856 N	
Maximum	0,78049 N	0,69423 N	1,184e-007 N	7,5611 N		4,7769 N		0, N	1,1176 N	4,5549 N	2,753 N	

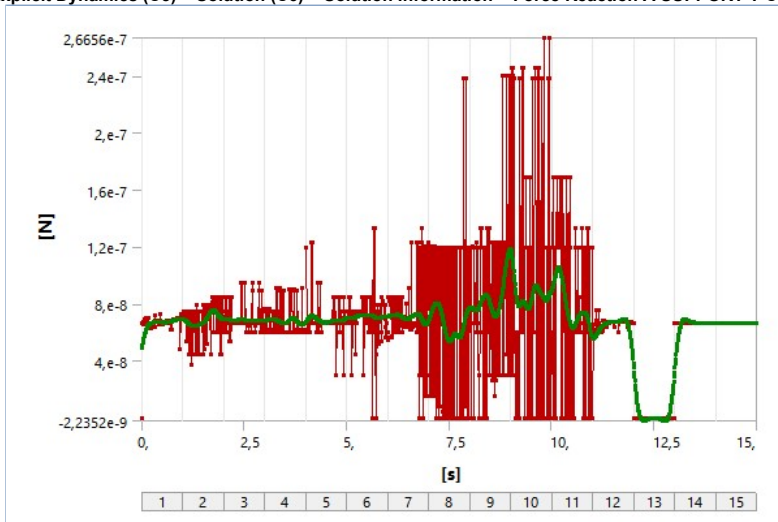
**FIGURE 24**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > External Force M Y



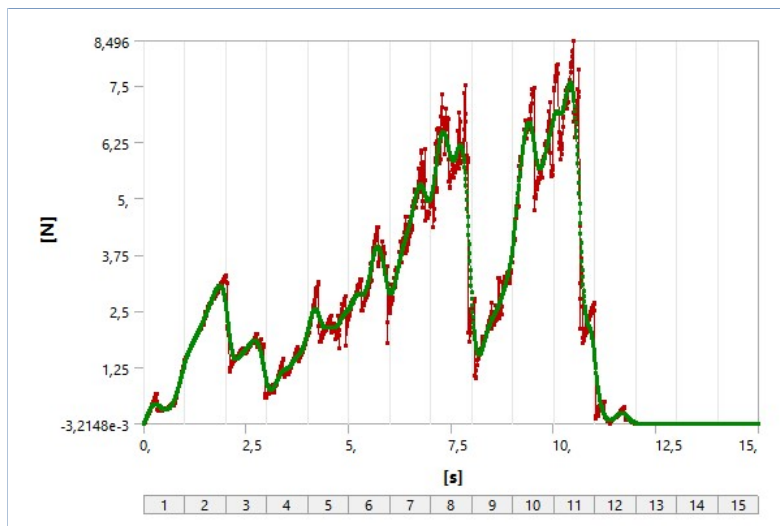
**FIGURE 25**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > External Force M Z



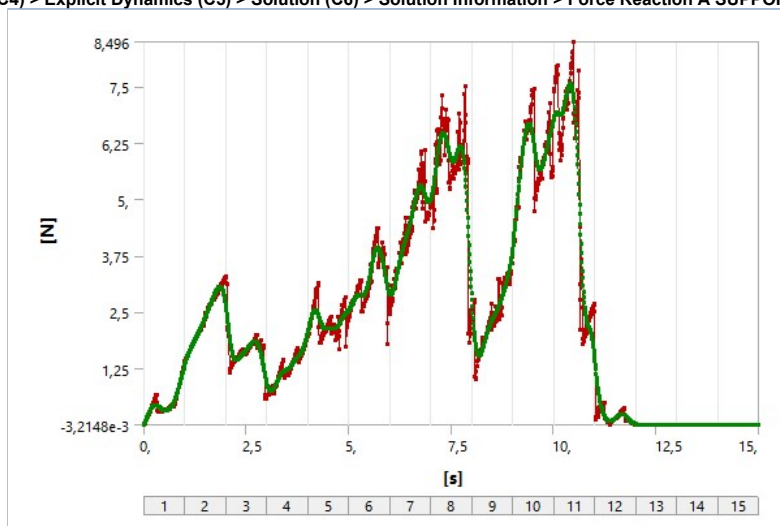
**FIGURE 26**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Force Reaction A SUPPORT Y CONTACT TOTAL



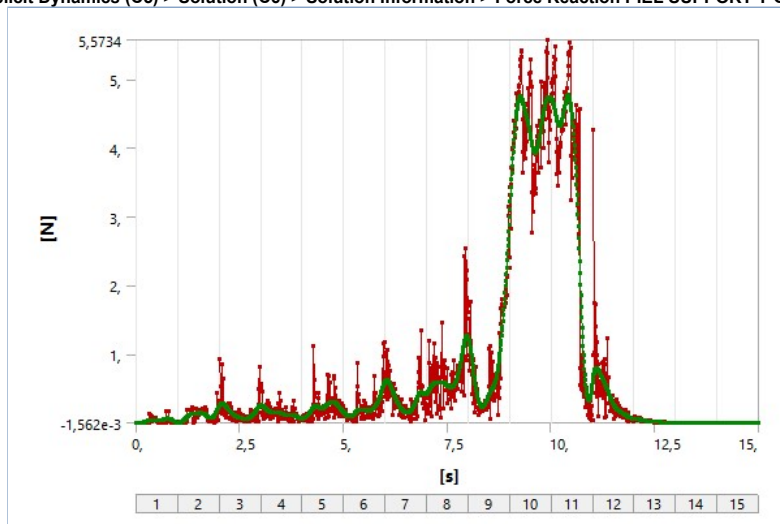
**FIGURE 27**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Force Reaction A CONTACT TOTAL



**FIGURE 28**  
 Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Force Reaction A SUPPORT TOTAL



**FIGURE 29**  
 Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Force Reaction PIEL SUPPORT Y CONTACTO TOTAL



**FIGURE 30**  
 Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Force Reaction PIEL CONTACT TOTAL

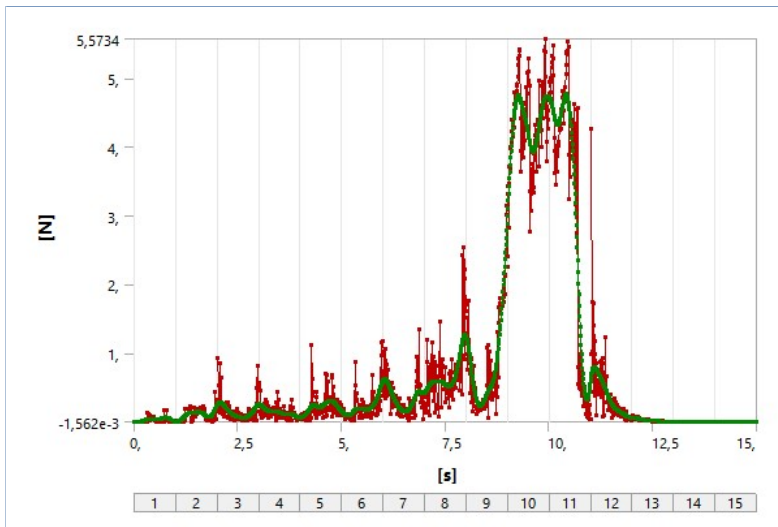


FIGURE 31  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Force Reaction PIEL SUPPORT TOTAL

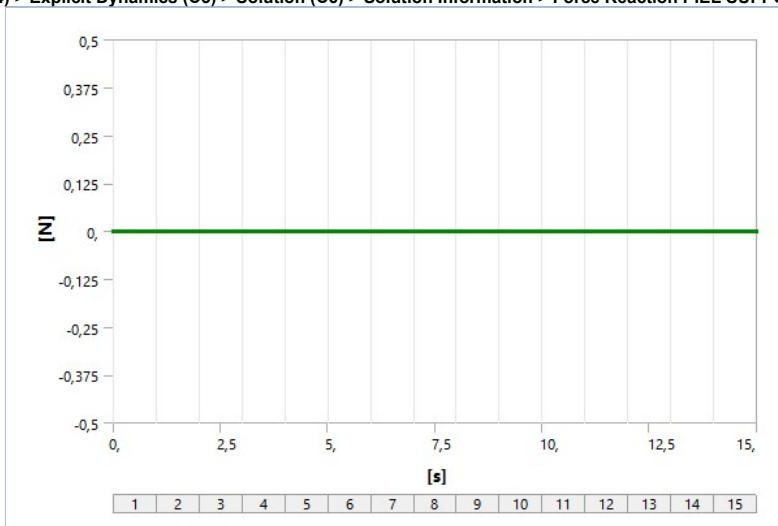


FIGURE 32  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Force Reaction PIEL CONTACT X

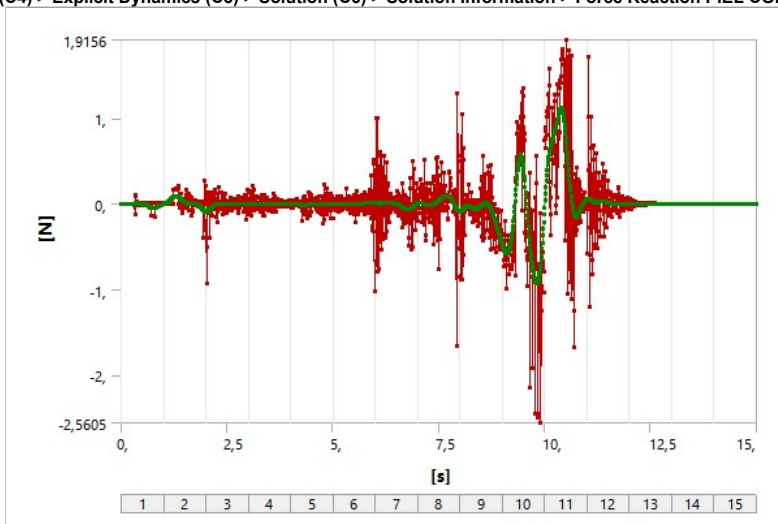
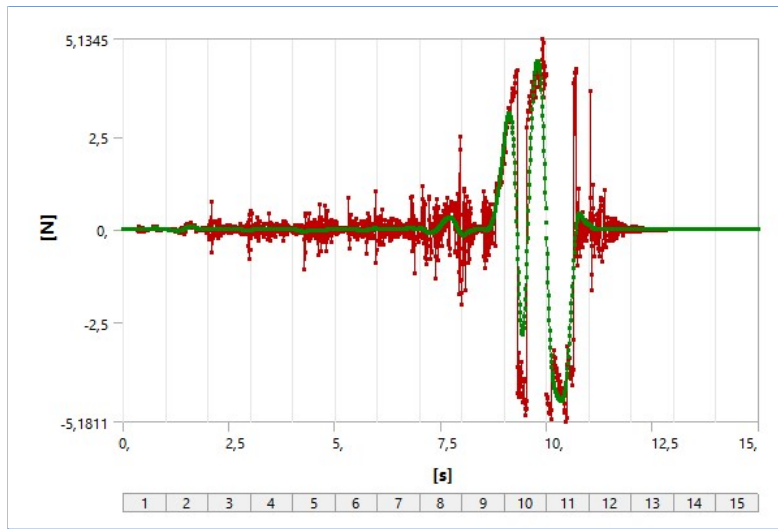
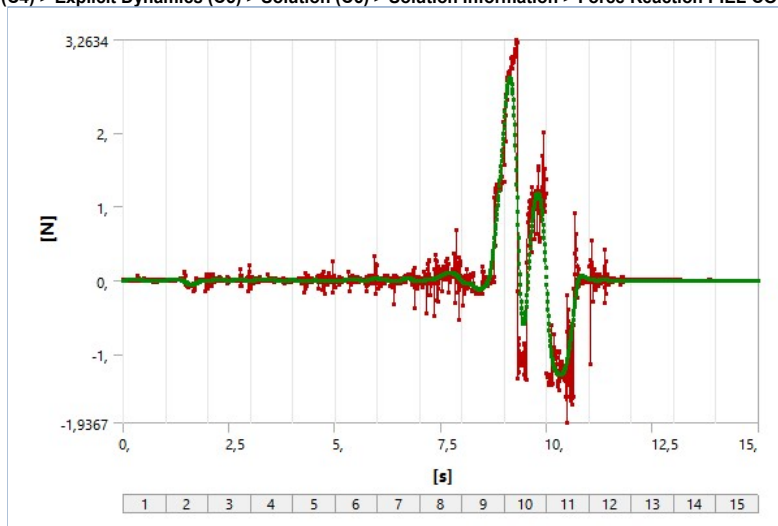


FIGURE 33  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Force Reaction PIEL CONTACT Y



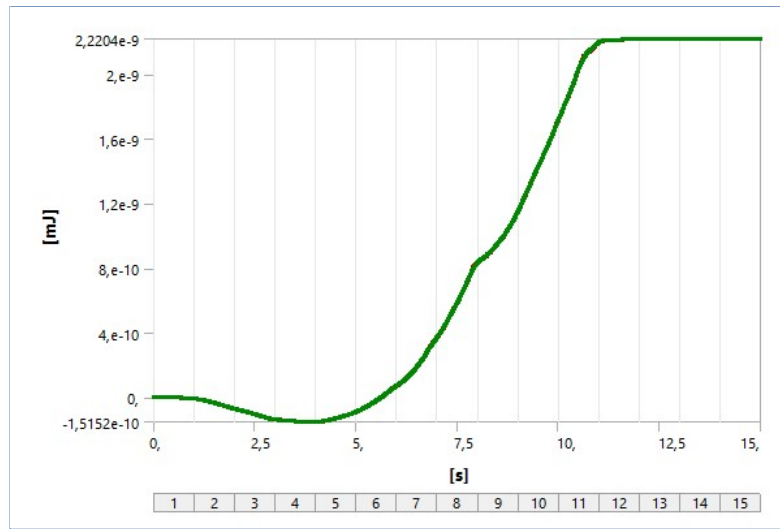
**FIGURE 34**  
 Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Force Reaction PIEL CONTACT Z



**TABLE 27**  
 Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Result Charts

Object Name	Contact Energy A
State	Solved
<b>Scope</b>	
Geometry	1 Body
<b>Definition</b>	
Type	Contact Energy
Suppressed	No
<b>Results</b>	
Minimum	-1,5136e-010 mJ
Maximum	2,2204e-009 mJ
<b>Filter</b>	
Type	Butterworth
Cut Frequency	1, Hz
Minimum	-1,5152e-010 mJ
Maximum	2,2196e-009 mJ

**FIGURE 35**  
 Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Solution Information > Contact Energy A

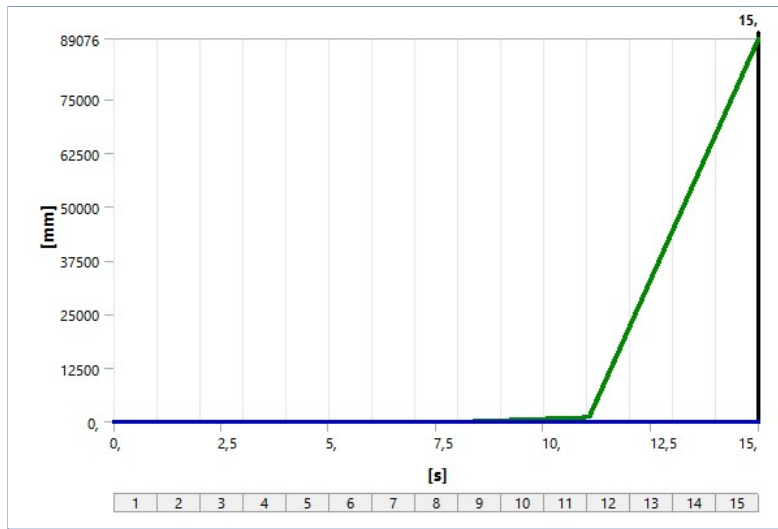


**TABLE 28**  
**Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Results**

Object Name	Total Deformation	Total Deformation PIEL	Directional Deformation PIEL X	Directional Deformation PIEL Y	Directional Deformation PIEL Z	Total Deformation M	Directional Deformation M X	Directional Deformation M Y	Directional Deformation M Z	Total Deformation A	Directional Deformation A X
State	Solved										
<b>Scope</b>											
Scoping Method	Geometry Selection										
Geometry	All Bodies	1 Body									
<b>Definition</b>											
Type	Total Deformation	Directional Deformation			Total Deformation	Directional Deformation			Total Deformation	Directional Deformation	
By	Time										
Display Time	Last										
Calculate Time History	Yes										
Identifier											
Suppressed	No										
Orientation		X Axis	Y Axis	Z Axis		X Axis	Y Axis	Z Axis		X Axis	
Coordinate System		Global Coordinate System				Global Coordinate System				Global Coordinate System	
<b>Results</b>											
Minimum	0, mm	4,1862e-006 mm	-73890 mm	-52639 mm	-2524, mm	0, mm	-1,6815 mm	-1,6673 mm	-1,3274 mm	5,3345 mm	-2,7707e-007 mm
Maximum	89076 mm		9732,5 mm	35171 mm	35182 mm	2,9609 mm	1,1575 mm	1,4981 mm	2,8641 mm	16,119 mm	6,4036e-007 mm
Average	21,523 mm	74,297 mm	-36,66 mm	3,0429 mm	26,388 mm	3,4451e-002 mm	-2,6364e-003 mm	-9,6644e-003 mm	3,7515e-003 mm	13,448 mm	9,9527e-008 mm
Minimum Occurs On	SYS-6\Musculo	SYS-6\Piel				SYS-6\Musculo				SYS-6\AgujaPS1-24MM	
Maximum Occurs On	SYS-6\Piel					SYS-6\Musculo				SYS-6\AgujaPS1-24MM	
<b>Minimum Value Over Time</b>											
Minimum	0, mm		-73890 mm	-52639 mm	-2524, mm	0, mm	-2,2386 mm	-8,6347 mm	-2,6873 mm	0, mm	-2,7707e-007 mm
Maximum	0, mm	1,8809e-004 mm				0, mm				13,824 mm	0, mm
<b>Maximum Value Over Time</b>											
Minimum	0, mm										
Maximum	89076 mm		9732,5 mm	35171 mm	35182 mm	8,6976 mm	1,8418 mm	2,3652 mm	6,3058 mm	21,846 mm	6,4036e-007 mm
<b>Information</b>											
Time	15, s										
Set	1468										
Cycle Number	1458857										

**FIGURE 36**  
**Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Total Deformation**





**TABLE 29**  
**Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Total Deformation**

Time [s]	Minimum [mm]	Maximum [mm]	Average [mm]
1,1755e-038	0	0	0
1,0443e-002		4,2297e-002	3,1349e-004
2,0904e-002		8,4669e-002	6,6384e-004
3,1366e-002		0,12704	1,0141e-003
4,1827e-002		0,16941	1,3697e-003
5,2289e-002		0,21178	1,7328e-003
6,275e-002		0,25415	2,1033e-003
7,3211e-002		0,29652	2,4828e-003
8,3672e-002		0,33888	2,8688e-003
9,4132e-002		0,38124	3,2635e-003
0,10459		0,4236	3,6666e-003
0,11505		0,46596	4,0796e-003
0,12551		0,50831	4,5028e-003
0,13597		0,55066	4,9359e-003
0,14643		0,59301	5,3791e-003
0,15689		0,63535	5,8329e-003
0,16735		0,67769	6,2982e-003
0,17781		0,72002	6,7755e-003
0,18826		0,76235	7,2654e-003
0,19872		0,80468	7,768e-003
0,20918		0,847	8,2829e-003
0,21963		0,88931	8,8115e-003
0,23009		0,93161	9,3545e-003
0,24054		0,97391	9,9135e-003
0,25099		1,0162	1,0489e-002
0,26145		1,0585	1,1086e-002
0,2719		1,1045	1,1709e-002
0,28235		1,1833	1,2379e-002
0,2928		1,2976	1,3155e-002
0,30326		1,4919	1,4257e-002
0,31371		1,7887	1,5976e-002
0,32417		1,7083	1,6756e-002
0,33464		1,7294	1,6979e-002
0,3451		1,7527	1,8322e-002
0,35556		1,6726	2,0444e-002
0,36602		1,6942	2,2294e-002
0,37648		1,7174	2,3085e-002
0,38694		1,743	2,4087e-002
0,3974		1,7661	2,546e-002
0,40786		1,7905	2,7387e-002
0,41832		1,816	2,8641e-002
0,42878		1,8412	2,9628e-002
0,43924		1,867	3,0962e-002
0,4497		1,893	3,2774e-002
0,46016		1,9191	3,3857e-002
0,47062		1,9461	3,507e-002
0,48108		1,9735	3,6432e-002
0,49154		2,0013	3,7927e-002
0,502		2,0301	3,9359e-002
0,51246		2,0722	4,0482e-002
0,52292		2,1144	4,1831e-002
0,53337		2,1565	4,3272e-002
0,54383		2,1987	4,4643e-002
0,55429		2,2408	4,5918e-002
0,56475		2,2829	4,7136e-002
0,57521		2,325	4,8673e-002
0,58567		2,3671	5,0052e-002
0,59613		2,4092	5,1235e-002
0,60658		2,4513	5,2497e-002
0,61704		2,4934	5,4021e-002

0,6275	2,5354	5,5586e-002
0,63796	2,5775	5,6929e-002
0,64842	2,6195	5,8127e-002
0,65887	2,6615	5,9513e-002
0,66933	2,7035	6,109e-002
0,67979	2,7455	6,2626e-002
0,69025	2,7875	6,3951e-002
0,70071	2,8295	6,5252e-002
0,71117	2,8715	6,6752e-002
0,72162	2,9134	6,8215e-002
0,73208	2,9554	6,9645e-002
0,74254	2,9973	7,1093e-002
0,753	3,0393	7,2633e-002
0,76346	3,0812	7,4049e-002
0,77392	3,1231	7,5486e-002
0,78438	3,165	7,703e-002
0,79484	3,2068	7,8566e-002
0,80529	3,2487	7,9472e-002
0,81575	3,2905	8,1026e-002
0,82621	3,3324	8,2601e-002
0,83667	3,3742	8,3806e-002
0,84713	3,416	8,4963e-002
0,85759	3,4578	8,6307e-002
0,86805	3,4996	8,7792e-002
0,8785	3,5413	8,9191e-002
0,88896	3,5831	9,051e-002
0,89942	3,6248	9,1792e-002
0,90988	3,6665	9,3235e-002
0,92033	3,7082	9,4585e-002
0,93079	3,7499	9,5939e-002
0,94124	3,7916	9,7332e-002
0,9517	3,8333	9,8728e-002
0,96216	3,8749	0,10009
0,97261	3,9165	0,10146
0,98307	3,9581	0,10282
0,99352	3,9997	0,10423
1,	4,0255	0,10507
1,0105	4,0779	0,10629
1,0209	4,1303	0,1075
1,0314	4,1827	0,10872
1,0418	4,2351	0,10988
1,0523	4,2875	0,11107
1,0627	4,3398	0,11225
1,0732	4,3921	0,11343
1,0836	4,4444	0,1146
1,0941	4,4967	0,1158
1,1045	4,5489	0,11694
1,115	4,6011	0,11813
1,1255	4,6533	0,11927
1,1359	4,7054	0,12043
1,1464	4,7575	0,12158
1,1568	4,8096	0,12278
1,1673	4,8616	0,12394
1,1777	4,9136	0,12507
1,1882	4,9656	0,1262
1,1986	5,0175	0,12735
1,2091	5,0693	0,12852
1,2195	5,1211	0,12968
1,23	5,1729	0,13076
1,2404	5,2246	0,13187
1,2509	5,2763	0,133
1,2613	5,3279	0,13411
1,2718	5,3794	0,13523
1,2823	5,4309	0,13634
1,2927	5,4824	0,13745
1,3032	5,5338	0,13855
1,3136	5,5851	0,13966
1,3241	5,6364	0,14077
1,3345	5,6876	0,14189
1,345	5,7388	0,14298
1,3554	5,7899	0,14409
1,3659	5,8409	0,1451
1,3763	5,8919	0,14631
1,3868	5,9428	0,14745
1,3972	5,9937	0,14873
1,4077	6,0445	0,14993
1,4181	6,0952	0,15113
1,4286	6,1459	0,1524
1,439	6,1965	0,15357
1,4495	6,247	0,15449
1,4599	6,2974	0,15537
1,4704	6,3478	0,15648
1,4808	6,3982	0,15741
1,4913	6,4484	0,1584
1,5017	6,4986	0,15962
1,5122	6,5487	0,16083
1,5226	6,5987	0,16201

	6,6487	0,16308
1,5435	6,6986	0,16425
1,554	6,7484	0,16552
1,5644	6,7981	0,16667
1,5749	6,8478	0,16793
1,5853	6,8974	0,16931
1,5958	6,9469	0,17044
1,6062	6,9963	0,17154
1,6167	7,0457	0,17307
1,6271	7,095	0,17447
1,6376	7,1442	0,1757
1,648	7,1933	0,17699
1,6585	7,2424	0,17832
1,669	7,2914	0,17955
1,6794	7,3403	0,18091
1,6899	7,3891	0,1824
1,7003	7,4378	0,18374
1,7108	7,4865	0,18446
1,7212	7,5351	0,18582
1,7317	7,5836	0,18677
1,7421	7,632	0,18764
1,7526	7,6804	0,18923
1,763	7,7286	0,19078
1,7735	7,7768	0,19171
1,7839	7,8249	0,19276
1,7944	7,8729	0,1939
1,8048	7,9208	0,19517
1,8153	7,9686	0,19709
1,8257	8,0164	0,19833
1,8362	8,064	0,19962
1,8466	8,1116	0,20085
1,8571	8,1591	0,20206
1,8675	8,2065	0,20372
1,878	8,2538	0,20531
1,8885	8,301	0,20659
1,8989	8,3482	0,2078
1,9094	8,3952	0,20896
1,9198	8,4422	0,21026
1,9303	8,4891	0,21188
1,9407	8,5359	0,21354
1,9512	8,5826	0,21502
1,9616	8,6292	0,21621
1,9721	8,6757	0,21756
1,9825	8,7222	0,21905
1,993	8,7685	0,22076
2,	8,7996	0,22157
2,0105	8,8381	0,22316
2,0209	8,8765	0,22492
2,0313	8,9146	0,22166
2,0417	8,9527	0,21533
2,0521	8,9908	0,21843
2,0625	9,0287	0,21592
2,0729	9,0666	0,21274
2,0833	9,1044	0,21034
2,0937	9,1422	0,20365
2,1041	9,1799	0,20103
2,1145	9,2176	0,1991
2,1249	9,2552	0,20109
2,1353	9,2927	0,19999
2,1457	9,3302	0,19673
2,1562	9,3676	0,19179
2,1666	9,4049	0,19739
2,177	9,4422	0,19442
2,1874	9,4793	0,19094
2,1978	9,5165	0,18859
2,2082	9,5535	0,19029
2,2186	9,5905	0,19266
2,229	9,6274	0,1863
2,2394	9,6642	0,18332
2,2499	9,701	0,18514
2,2603	9,7377	0,18936
2,2707	9,7743	0,18521
2,2811	9,8108	0,17992
2,2915	9,8473	0,18088
2,3019	9,8837	0,18291
2,3123	9,92	0,18039
2,3227	9,9562	0,17898
2,3331	9,9924	0,17945
2,3435	10,029	0,17773
2,3539	10,065	0,1757
2,3643	10,1	0,17597
2,3747	10,136	0,17539
2,3851	10,172	0,17472
2,3955	10,208	0,17298
2,4059	10,244	0,17248
2,4163	10,279	0,17328
2,4267	10,315	0,1712

	10,35	0,16932
2,4475	10,386	0,16888
2,4579	10,421	0,16875
2,4684	10,456	0,16909
2,4788	10,491	0,16632
2,4892	10,526	0,16379
2,4996	10,561	0,16475
2,51	10,596	0,16515
2,5204	10,631	0,16518
2,5308	10,666	0,16386
2,5412	10,7	0,16283
2,5516	10,735	0,16154
2,562	10,77	0,16116
2,5724	10,804	0,16274
2,5828	10,838	0,16261
2,5932	10,873	0,16074
2,6036	10,907	0,15949
2,614	10,941	0,15948
2,6244	10,975	0,16086
2,6348	11,009	0,1597
2,6452	11,043	0,15879
2,6556	11,077	0,15829
2,666	11,111	0,15782
2,6764	11,145	0,15717
2,6868	11,178	0,1571
2,6972	11,212	0,15715
2,7076	11,245	0,15767
2,718	11,279	0,15694
2,7284	11,312	0,15637
2,7388	11,345	0,15624
2,7492	11,378	0,15589
2,7596	11,411	0,15044
2,77	11,444	0,15284
2,7804	11,477	0,1551
2,7908	11,51	0,15496
2,8012	11,543	0,15175
2,8116	11,575	0,14959
2,822	11,608	0,15056
2,8324	11,641	0,1524
2,8428	11,673	0,15231
2,8532	11,705	0,15062
2,8636	11,738	0,14993
2,874	11,77	0,14719
2,8844	11,802	0,14692
2,8948	11,834	0,14705
2,9052	11,866	0,14801
2,9156	11,898	0,14819
2,926	11,93	0,14656
2,9364	11,961	0,14563
2,9468	11,993	0,13706
2,9572	12,024	0,1403
2,9676	12,056	0,14127
2,978	12,087	0,14009
2,9884	12,119	0,14498
2,9987	12,15	0,14031
3,	12,153	0,13446
3,0104	12,184	0,13627
3,0208	12,214	0,13493
3,0312	12,244	0,14264
3,0416	12,274	0,13882
3,052	12,303	0,13471
3,0624	12,333	0,13314
3,0728	12,363	0,13522
3,0832	12,393	0,14169
3,0936	12,422	0,13521
3,104	12,452	0,13237
3,1145	12,481	0,13321
3,1249	12,511	0,13612
3,1353	12,54	0,13915
3,1457	12,569	0,13475
3,1561	12,598	0,13056
3,1665	12,627	0,13201
3,1769	12,656	0,13655
3,1873	12,685	0,13418
3,1977	12,714	0,13057
3,2081	12,743	0,13233
3,2185	12,771	0,13403
3,2289	12,8	0,13725
3,2393	12,828	0,13447
3,2497	12,857	0,13292
3,2601	12,885	0,13499
3,2705	12,913	0,1376
3,2809	12,941	0,13555
3,2913	12,969	0,13456
3,3017	12,997	0,13683
3,3121	13,025	0,13869
3,3225	13,326	0,13731

	13,851	0,13551
3,3433	14,382	0,13618
3,3536	14,919	0,13952
3,364	15,455	0,14063
3,3744	15,983	0,13831
3,3848	16,516	0,13718
3,3952	17,053	0,14004
3,4056	17,573	0,14046
3,4159	18,051	0,13109
3,4263	18,539	0,13606
3,4367	19,041	0,14239
3,4471	19,648	0,14115
3,4575	20,267	0,13468
3,4679	20,831	0,13412
3,4783	21,398	0,13543
3,4887	21,967	0,14002
3,4991	22,538	0,14064
3,5095	23,112	0,13572
3,5199	23,688	0,13493
3,5303	24,266	0,13587
3,5406	24,845	0,13903
3,551	25,426	0,13805
3,5614	26,01	0,13634
3,5718	26,597	0,13808
3,5822	27,186	0,1398
3,5926	27,766	0,13878
3,603	28,328	0,13702
3,6134	28,891	0,13794
3,6237	29,456	0,14134
3,6341	30,023	0,14152
3,6445	30,339	0,13878
3,6549	30,14	0,13961
3,6653	29,943	0,14186
3,6756	29,75	0,14115
3,686	29,543	0,14056
3,6964	29,335	0,14194
3,7068	29,127	0,14358
3,7171	28,921	0,14261
3,7275	28,716	0,14125
3,7379	28,512	0,14194
3,7482	28,309	0,14438
3,7586	28,107	0,14513
3,769	27,907	0,14414
3,7793	27,707	0,14165
3,7897	27,509	0,13807
3,8001	27,312	0,13722
3,8105	27,116	0,14267
3,8209	26,922	0,14523
3,8313	26,729	0,1431
3,8416	26,538	0,13931
3,852	26,347	0,13867
3,8624	26,159	0,14368
3,8728	25,972	0,14524
3,8831	25,786	0,14324
3,8935	25,602	0,14224
3,9039	25,42	0,14173
3,9143	25,239	0,14345
3,9246	25,06	0,14576
3,935	24,883	0,14371
3,9454	24,707	0,14321
3,9558	24,533	0,14431
3,9661	24,361	0,14504
3,9765	24,191	0,14604
3,9869	24,022	0,14515
3,9973	23,856	0,14422
4,	23,812	0,14596
4,0104	23,648	0,14654
4,0207	23,486	0,14682
4,0311	23,327	0,14544
4,0415	23,169	0,1464
4,0518	23,013	0,1494
4,0622	22,86	0,15055
4,0726	22,709	0,14946
4,0829	22,56	0,14829
4,0933	22,414	0,14987
4,1036	22,27	0,15226
4,1139	22,13	0,15401
4,1242	21,991	0,15342
4,1346	21,854	0,15283
4,1447	21,723	0,15362
4,1551	21,591	0,15537
4,1654	21,462	0,15666
4,1758	21,336	0,15735
4,186	21,214	0,15812
4,1962	21,096	0,1588
4,2065	20,978	0,15874
4,2168	20,863	0,15897

	20,751	0,16102
4,2375	20,642	0,16255
4,2479	20,536	0,16231
4,2582	20,433	0,16151
4,2681	20,337	0,1481
4,2785	20,24	0,14831
4,2888	20,146	0,15029
4,2991	20,056	0,15967
4,3094	19,969	0,15667
4,3198	19,885	0,1483
4,3301	19,805	0,15292
4,3405	19,728	0,15751
4,3508	19,654	0,15273
4,3612	19,584	0,14955
4,3715	19,517	0,15427
4,3819	19,454	0,15907
4,3922	19,395	0,15202
4,4026	19,339	0,14714
4,4129	19,287	0,15145
4,4233	19,238	0,15564
4,4336	19,193	0,15464
4,444	19,152	0,15251
4,4543	19,115	0,15341
4,4647	19,082	0,15548
4,475	19,052	0,15368
4,4853	19,027	0,15134
4,4957	19,005	0,15503
4,506	18,987	0,15845
4,5164	18,973	0,15741
4,5267	18,962	0,15302
4,537	18,956	0,15245
4,5474	18,953	0,1556
4,5577	18,955	0,1589
4,568	18,96	0,15942
4,5784	18,969	0,15511
4,5887	18,982	0,14635
4,5991	18,999	0,14644
4,6095	19,02	0,14616
4,6198	19,045	0,15525
4,6302	19,074	0,16142
4,6405	19,106	0,15773
4,6509	19,142	0,14518
4,6613	19,182	0,14506
4,6716	19,226	0,15279
4,682	19,273	0,15765
4,6923	19,325	0,15649
4,7027	19,38	0,15176
4,713	19,438	0,15192
4,7234	19,5	0,1592
4,7337	19,566	0,15298
4,744	19,635	0,14844
4,7544	19,708	0,1542
4,7647	19,784	0,16243
4,7751	19,863	0,1552
4,7854	19,946	0,14874
4,7958	20,033	0,14954
4,8061	20,122	0,16051
4,8165	20,215	0,16308
4,8268	20,311	0,15598
4,8372	20,411	0,15234
4,8475	20,513	0,1592
4,8579	20,619	0,1591
4,8682	20,727	0,15856
4,8785	20,838	0,16124
4,8889	20,953	0,16364
4,8992	21,07	0,16131
4,9096	21,19	0,15778
4,9199	21,313	0,15936
4,9302	21,438	0,16674
4,9406	21,566	0,15574
4,9509	21,697	0,15987
4,9612	21,831	0,16063
4,9716	21,967	0,15893
4,9819	22,105	0,1599
4,9923	22,246	0,16349
5,	22,354	0,16384
5,0104	22,499	0,16419
5,0207	22,646	0,16043
5,031	22,796	0,16063
5,0414	22,948	0,16528
5,0517	23,102	0,16727
5,0621	23,259	0,16474
5,0724	23,417	0,16323
5,0828	23,578	0,16568
5,0931	23,74	0,16692
5,1034	23,905	0,1675
5,1138	24,071	0,16699

	24,24	0,1669
5,1344	24,41	0,16688
5,1448	24,582	0,16818
5,1551	24,756	0,1685
5,1655	24,931	0,16911
5,1758	25,108	0,1697
5,1861	25,287	0,17001
5,1965	25,468	0,16972
5,2068	25,65	0,17026
5,2171	25,833	0,1712
5,2275	26,019	0,17211
5,2378	26,205	0,17249
5,2481	26,393	0,17197
5,2584	26,583	0,17202
5,2688	26,774	0,17251
5,2791	26,966	0,17388
5,2894	27,159	0,17457
5,2997	27,354	0,17428
5,3101	27,55	0,17399
5,3204	27,748	0,17457
5,3308	27,947	0,16439
5,3411	28,148	0,15703
5,3515	28,35	0,16251
5,3618	28,553	0,17165
5,3722	28,756	0,17219
5,3825	28,962	0,166
5,3929	29,168	0,16397
5,4033	29,375	0,16923
5,4136	29,583	0,17043
5,4239	29,792	0,16755
5,4343	30,003	0,16781
5,4447	30,214	0,17163
5,455	30,426	0,17327
5,4653	30,639	0,16938
5,4757	30,853	0,16652
5,486	31,068	0,1724
5,4964	31,283	0,17733
5,5067	31,5	0,17588
5,517	31,717	0,17037
5,5274	31,935	0,16868
5,5377	32,154	0,17247
5,548	32,373	0,17573
5,5583	32,593	0,17829
5,5687	32,814	0,1768
5,579	33,036	0,17339
5,5893	33,258	0,1716
5,5996	33,481	0,17441
5,6099	33,705	0,17849
5,6203	33,93	0,18018
5,6306	34,155	0,1761
5,6409	34,38	0,1753
5,6512	34,607	0,17845
5,6615	34,834	0,18332
5,6718	35,062	0,18386
5,6822	35,29	0,18112
5,6925	35,519	0,18106
5,7028	35,748	0,1836
5,7131	35,978	0,1876
5,7234	36,208	0,17527
5,7337	36,44	0,17589
5,7441	36,672	0,17501
5,7544	36,905	0,18646
5,7647	37,138	0,18625
5,7751	37,372	0,1804
5,7854	37,606	0,1765
5,7957	37,84	0,18094
5,8061	38,076	0,18624
5,8164	38,312	0,18932
5,8268	38,548	0,18565
5,8371	38,784	0,18192
5,8474	39,021	0,18373
5,8577	39,258	0,1886
5,8681	39,496	0,19149
5,8784	39,735	0,18861
5,8887	39,973	0,17969
5,899	40,212	0,18218
5,9093	40,451	0,18575
5,9197	40,69	0,18509
5,93	40,93	0,18409
5,9401	41,166	0,18336
5,9504	41,407	0,18818
5,9607	41,648	0,17447
5,9711	41,889	0,16522
5,9814	42,132	0,17007
5,9917	42,374	0,17693
6,	42,569	0,1753
6,0103	42,812	0,18527

	43,056	0,17686
6,031	43,3	0,17125
6,0414	43,544	0,17071
6,0517	43,789	0,17663
6,062	44,033	0,18824
6,0724	44,279	0,181
6,0827	44,524	0,17623
6,093	44,77	0,17009
6,1034	45,016	0,18283
6,1137	45,262	0,19058
6,124	45,509	0,185
6,1344	45,756	0,17624
6,1447	46,003	0,17839
6,155	46,25	0,18818
6,1653	46,498	0,19069
6,1757	46,745	0,18515
6,186	46,994	0,18367
6,1963	47,242	0,18698
6,2067	47,49	0,19262
6,217	47,739	0,18956
6,2273	47,988	0,18957
6,2376	48,238	0,19022
6,248	48,487	0,1922
6,2583	48,736	0,1951
6,2686	48,986	0,19712
6,2789	49,236	0,19627
6,2892	49,487	0,19013
6,2996	49,738	0,19148
6,3099	49,988	0,19866
6,3202	50,239	0,20146
6,3305	50,491	0,19626
6,3409	50,742	0,19471
6,3512	50,994	0,20065
6,3615	51,246	0,20533
6,3719	51,498	0,20408
6,3822	51,75	0,20094
6,3925	52,002	0,20273
6,4028	52,255	0,19848
6,4132	52,508	0,20309
6,4235	52,761	0,20416
6,4338	53,014	0,20349
6,4441	53,268	0,20391
6,4545	53,521	0,2072
6,4648	53,775	0,2091
6,4751	54,028	0,20773
6,4854	54,283	0,20788
6,4957	54,537	0,2119
6,5061	54,791	0,21324
6,5164	55,045	0,21267
6,5267	55,3	0,21387
6,537	55,554	0,21675
6,5473	55,809	0,21809
6,5576	56,064	0,21879
6,568	56,319	0,21998
6,5783	56,574	0,22191
6,5886	56,83	0,22308
6,5989	57,085	0,22518
6,6092	57,341	0,22628
6,6195	57,596	0,21845
6,6298	57,852	0,22123
6,6401	58,107	0,22473
6,6504	58,363	0,23143
6,6607	58,619	0,22969
6,671	58,875	0,22766
6,6813	59,13	0,22797
6,6916	59,387	0,23464
6,7019	59,643	0,23723
6,7121	59,899	0,23404
6,7224	60,155	0,23431
6,7327	60,412	0,23989
6,743	60,668	0,24344
6,7533	60,925	0,24102
6,7636	61,181	0,24092
6,7738	61,438	0,24617
6,7841	61,695	0,24942
6,7944	61,952	0,24541
6,8047	62,21	0,23934
6,815	62,468	0,2341
6,8253	62,725	0,24805
6,8356	62,983	0,24982
6,8459	63,241	0,24237
6,8562	63,499	0,24037
6,8664	63,756	0,21548
6,8768	64,016	0,22213
6,8872	64,276	0,21536
6,8975	64,536	0,22284
6,9079	64,796	0,22234



	65,057	0,22085
6,9286	65,317	0,22721
6,939	65,577	0,21724
6,9493	65,838	0,21934
6,9597	66,099	0,22048
6,9701	66,36	0,22989
6,9805	66,622	0,22462
6,9908	66,883	0,22552
7,	67,114	0,22098
7,0104	67,375	0,22846
7,0207	67,637	0,22982
7,0311	67,898	0,22917
7,0415	68,159	0,22562
7,0518	68,421	0,23088
7,0622	68,683	0,23465
7,0726	68,944	0,23233
7,0829	69,206	0,23102
7,0933	69,468	0,23466
7,1036	69,729	0,23945
7,114	69,991	0,23624
7,1244	70,253	0,23588
7,1347	70,515	0,23942
7,1451	70,777	0,24285
7,1554	71,039	0,24143
7,1658	71,301	0,24064
7,1761	71,563	0,24425
7,1865	71,825	0,24677
7,1968	72,087	0,24699
7,2072	72,35	0,24695
7,2175	72,612	0,24917
7,2278	72,874	0,25152
7,2382	73,137	0,25228
7,2485	73,399	0,25292
7,2589	73,661	0,25331
7,2692	73,924	0,25709
7,2795	74,186	0,25667
7,2899	74,449	0,25628
7,3002	74,712	0,25948
7,3106	74,974	0,2618
7,3209	75,237	0,26183
7,3312	75,5	0,26152
7,3416	75,762	0,26183
7,3519	76,025	0,24959
7,3623	76,289	0,25384
7,3727	76,554	0,24489
7,383	76,817	0,26435
7,3934	77,082	0,25783
7,4038	77,347	0,25035
7,4142	77,611	0,24821
7,4246	77,876	0,26642
7,435	78,141	0,26216
7,4454	78,405	0,24849
7,4558	78,67	0,2527
7,4661	78,934	0,26067
7,4765	79,199	0,2638
7,4869	79,463	0,25514
7,4972	79,728	0,25636
7,5076	79,993	0,26427
7,518	80,257	0,26852
7,5284	80,522	0,2653
7,5387	80,787	0,26006
7,5491	81,052	0,26968
7,5595	81,317	0,27363
7,5699	81,582	0,26955
7,5802	81,847	0,26689
7,5906	82,112	0,27266
7,601	82,377	0,27785
7,6113	82,642	0,27645
7,6217	82,907	0,27536
7,6321	83,172	0,2782
7,6424	83,437	0,28316
7,6528	83,702	0,28341
7,6632	83,967	0,28318
7,6735	84,232	0,28359
7,6839	84,498	0,2875
7,6942	84,763	0,29011
7,7046	85,028	0,291
7,7149	85,293	0,29268
7,7253	85,558	0,29386
7,7356	85,823	0,29652
7,746	86,088	0,29848
7,7563	86,353	0,29995
7,7667	86,618	0,30248
7,777	86,883	0,30437
7,7873	87,148	0,30583
7,7977	87,413	0,30753
7,808	87,678	0,31055

	87,943	0,31237
7,8287	88,208	0,31504
7,839	88,473	0,31743
7,8494	88,738	0,31955
7,8597	89,004	0,32114
7,8701	89,27	0,32087
7,8804	89,535	0,3178
7,8908	89,802	0,30937
7,9012	90,069	0,30906
7,9115	90,334	0,32615
7,9215	90,592	0,27733
7,9316	90,85	0,27069
7,9418	91,112	0,2697
7,952	91,374	0,30692
7,9621	91,635	0,29321
7,9723	91,896	0,2727
7,9825	92,158	0,2613
7,9926	92,418	0,28896
8,	92,608	0,2824
8,0101	92,868	0,28137
8,0203	93,13	0,2779
8,0305	93,391	0,28106
8,0407	93,654	0,29905
8,0508	93,915	0,29333
8,061	94,177	0,27915
8,0712	94,438	0,28058
8,0813	94,7	0,27008
8,0915	94,961	0,26723
8,1017	95,224	0,27535
8,112	95,488	0,27086
8,1222	95,751	0,26929
8,1324	96,014	0,26141
8,1426	96,278	0,25737
8,1529	96,542	0,2661
8,1631	96,806	0,2715
8,1733	97,069	0,26349
8,1836	97,333	0,25576
8,1938	97,596	0,26221
8,2041	97,86	0,27113
8,2143	98,124	0,27028
8,2245	98,388	0,2619
8,2348	98,652	0,26292
8,245	101,65	0,26733
8,2552	105,28	0,26976
8,2654	108,92	0,26776
8,2757	112,56	0,26737
8,2859	116,2	0,27232
8,2961	119,83	0,27374
8,3064	123,47	0,27309
8,3166	127,1	0,27314
8,3268	130,74	0,27808
8,337	134,37	0,27892
8,3473	138,01	0,2781
8,3575	141,65	0,27961
8,3677	145,28	0,28338
8,3779	148,91	0,28366
8,3881	152,55	0,28448
8,3984	156,18	0,28754
8,4086	159,81	0,29036
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8,429	167,08	0,29197
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8,4597	177,98	0,29824
8,4699	181,61	0,30062
8,4801	185,24	0,30256
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8,6445	243,69	0,287
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8,9221	342.44	0.30788
8,9324	346.1	0.30741
8,9427	349.76	0.31166
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8,9633	357.08	0.31517
8,9736	360.75	0.31479
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8,9942	368.07	0.31672
9,	370.13	0.31854
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9,0206	377.46	0.31852
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9,0618	392.12	0.31841
9,0722	395.79	0.32319
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9,1548	425.16	0.32633
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9,1858	436.19	0.33209
9,1961	439.87	0.33166
9,2064	443.54	0.33181
9,2168	447.22	0.33262
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9,4231	520.59	0.34922
9,4334	524.27	0.34414
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9,4645	535.31	0.35412
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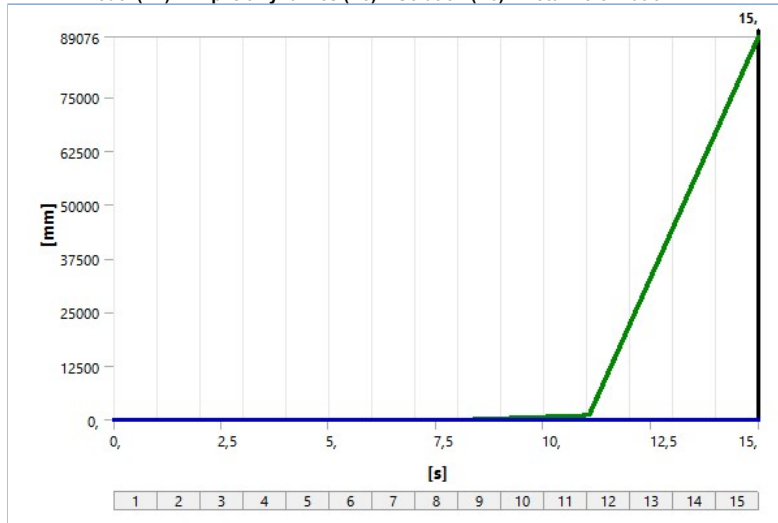
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13,272	50494	12,161
13,282	50720	12,215
13,293	50945	12,27
13,303	51170	12,325
13,313	51395	12,379
13,323	51621	12,434
13,333	51846	12,489
13,343	52071	12,543
13,353	52297	12,598
13,363	52522	12,653
13,373	52747	12,707
13,383	52973	12,762
13,393	53198	12,817
13,404	53423	12,871
13,414	53648	12,926
13,424	53874	12,981
13,434	54099	13,035
13,444	54324	13,09
13,454	54550	13,145
13,464	54775	13,199
13,474	55000	13,254
13,484	55226	13,309
13,494	55451	13,364
13,504	55676	13,418
13,515	55901	13,473
13,525	56127	13,528
13,535	56352	13,582
13,545	56577	13,637
13,555	56803	13,692
13,565	57028	13,746
13,575	57253	13,801
13,585	57478	13,856
13,595	57704	13,91
13,605	57929	13,965
13,615	58154	14,02
13,625	58380	14,074
13,636	58605	14,129
13,646	58830	14,184
13,656	59056	14,238
13,666	59281	14,293
13,676	59506	14,348
13,686	59731	14,402
13,696	59957	14,457
13,706	60182	14,512
13,716	60407	14,566
13,726	60633	14,621
13,736	60858	14,676
13,747	61083	14,73
13,757	61309	14,785
13,767	61534	14,84
13,777	61759	14,894
13,787	61984	14,949
13,797	62210	15,004
13,807	62435	15,059
13,817	62660	15,113
13,827	62886	15,168
13,837	63111	15,223
13,847	63336	15,277
13,858	63562	15,332
13,868	63787	15,387
13,878	64012	15,441
13,888	64237	15,496
13,898	64463	15,551
13,908	64688	15,605
13,918	64913	15,66
13,928	65139	15,715
13,938	65364	15,769
13,948	65589	15,824
13,958	65815	15,879
13,968	66040	15,933
13,979	66265	15,988



	66491	16,043
13,999	66716	16,097
14,	66744	16,104
14,01	66969	16,159
14,02	67195	16,214
14,03	67420	16,268
14,04	67645	16,323
14,05	67871	16,378
14,061	68096	16,432
14,071	68321	16,487
14,081	68546	16,542
14,091	68772	16,596
14,101	68997	16,651
14,111	69222	16,706
14,121	69448	16,76
14,131	69673	16,815
14,141	69898	16,87
14,151	70123	16,924
14,161	70349	16,979
14,172	70574	17,034
14,182	70799	17,088
14,192	71024	17,143
14,202	71250	17,198
14,212	71475	17,252
14,222	71700	17,307
14,232	71926	17,362
14,242	72151	17,416
14,252	72376	17,471
14,262	72601	17,526
14,272	72827	17,58
14,282	73052	17,635
14,293	73277	17,69
14,303	73503	17,744
14,313	73728	17,799
14,323	73953	17,854
14,333	74178	17,908
14,343	74404	17,963
14,353	74629	18,017
14,363	74854	18,072
14,373	75079	18,127
14,383	75304	18,181
14,393	75530	18,236
14,404	75755	18,291
14,414	75980	18,345
14,424	76205	18,4
14,434	76431	18,455
14,444	76656	18,509
14,454	76881	18,564
14,464	77106	18,619
14,474	77332	18,673
14,484	77557	18,728
14,494	77782	18,783
14,504	78007	18,837
14,514	78232	18,892
14,525	78458	18,947
14,535	78683	19,001
14,545	78908	19,056
14,555	79133	19,11
14,565	79359	19,165
14,575	79584	19,22
14,585	79809	19,274
14,595	80034	19,329
14,605	80260	19,384
14,615	80485	19,438
14,625	80710	19,493
14,635	80935	19,548
14,646	81161	19,602
14,656	81386	19,657
14,666	81611	19,712
14,676	81836	19,766
14,686	82061	19,821
14,696	82287	19,875
14,706	82512	19,93
14,716	82737	19,985
14,726	82962	20,039
14,736	83187	20,094
14,746	83412	20,149
14,756	83637	20,203
14,767	83863	20,258
14,777	84088	20,312
14,787	84313	20,367
14,797	84538	20,422
14,807	84763	20,476
14,817	84988	20,531
14,827	85213	20,585
14,837	85438	20,64
14,847	85663	20,695

		85888	20,749
14,867	0,	86113	20,804
14,877		86338	20,858
14,887		86563	20,913
14,898		86789	20,968
14,908		87014	21,022
14,918		87239	21,077
14,928		87464	21,131
14,938		87689	21,186
14,948		87914	21,241
14,958		88139	21,295
14,968		88364	21,35
14,978		88589	21,404
14,988		88814	21,459
14,998		89039	21,514
15,		89076	21,523

**FIGURE 37**  
**Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Total Deformation PIEL**



**TABLE 30**  
**Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Total Deformation PIEL**

Time [s]	Minimum [mm]	Maximum [mm]	Average [mm]	
1,1755e-038		0,	0,	
1,0443e-002		3,0677e-002	1,7642e-004	
2,0904e-002		7,2114e-002	4,1729e-004	
3,1366e-002		0,1136	6,6708e-004	
4,1827e-002		0,15508	9,3478e-004	
5,2289e-002		0,19653	1,2235e-003	
6,275e-002	0,	0,23794	1,5312e-003	
7,3211e-002		0,27928	1,8596e-003	
8,3672e-002		0,32056	2,2048e-003	
9,4132e-002		0,36177	2,5695e-003	
0,10459		0,40289	2,9532e-003	
0,11505		0,44392	3,3571e-003	
0,12551		0,48487	3,7818e-003	
0,13597		4,1637e-012	0,52574	4,2265e-003
0,14643		4,1384e-012	0,56654	4,6918e-003
0,15689		1,9435e-009	0,6073	5,1784e-003
0,16735		2,6419e-009	0,64804	5,6872e-003
0,17781		1,4679e-008	0,68883	6,2198e-003
0,18826		1,1306e-008	0,72972	6,7763e-003
0,19872		2,6428e-008	0,77083	7,3578e-003
0,20918		4,0367e-008	0,81232	7,9636e-003
0,21963	3,0582e-008	0,85445	8,5961e-003	
0,23009	6,3822e-008	0,89762	9,2573e-003	
0,24054	4,2545e-008	0,94249	9,9497e-003	
0,25099	4,3706e-008	0,99022	1,0677e-002	
0,26145	1,7135e-007	1,0429	1,1446e-002	
0,2719	1,9802e-007	1,1045	1,2275e-002	
0,28235	2,3464e-007	1,1833	1,3209e-002	
0,2928	1,5858e-007	1,2976	1,4385e-002	
0,30326	4,9752e-008	1,4919	1,633e-002	
0,31371	6,2486e-008	1,7887	2,07e-002	
0,32417	7,7729e-007	1,7083	2,5102e-002	
0,33464	3,6738e-007	1,7294	2,8782e-002	
0,3451	8,9944e-007	1,7527	3,3526e-002	
0,35556	1,2153e-006	1,6726	3,8525e-002	
0,36602	1,2491e-006	1,6942	4,3229e-002	
0,37648	7,8989e-007	1,7174	4,6759e-002	
0,38694	1,0955e-006	1,743	5,0586e-002	
0,3974	7,0411e-007	1,7661	5,4664e-002	
0,40786	1,5792e-006	1,7905	5,9394e-002	
0,41832	1,1192e-006	1,816	6,3329e-002	

0,42878	6,0754e-007	1,8412	6,7076e-002
0,43924	1,0098e-006	1,867	7,1056e-002
0,4497	3,6054e-007	1,893	7,5568e-002
0,46016	9,4618e-007	1,9191	7,929e-002
0,47062	1,3319e-006	1,9461	8,3177e-002
0,48108	1,0571e-006	1,9735	8,7163e-002
0,49154	1,9596e-006	2,0013	9,1252e-002
0,502	3,397e-007	2,0292	9,5308e-002
0,51246	1,8441e-006	2,0576	9,9017e-002
0,52292	3,7127e-007	2,0861	0,10297
0,53337	1,4444e-006	2,1148	0,10701
0,54383	1,5384e-006	2,1438	0,11096
0,55429	5,5873e-007	2,173	0,11482
0,56475	5,0482e-007	2,2024	0,11864
0,57521	4,6055e-007	2,2321	0,12276
0,58567	3,1164e-007	2,2624	0,12674
0,59613	2,5436e-007	2,293	0,13053
0,60658	1,1544e-006	2,3239	0,13439
0,61704	1,7268e-006	2,3549	0,13852
0,6275	5,6509e-007	2,386	0,14271
0,63796	9,049e-007	2,4172	0,14667
0,64842	8,906e-007	2,4481	0,15049
0,65887	1,8281e-007	2,4793	0,15449
0,66933	3,7684e-007	2,5106	0,15868
0,67979	5,007e-007	2,542	0,16283
0,69025	9,1998e-007	2,5735	0,16678
0,70071	1,2208e-006	2,6052	0,17071
0,71117	9,2133e-007	2,637	0,17485
0,72162	9,1967e-007	2,6647	0,17893
0,73208	4,1605e-007	2,6968	0,18299
0,74254	1,0796e-006	2,729	0,18709
0,753	4,968e-007	2,7615	0,19129
0,76346	1,7765e-006	2,7945	0,19529
0,77392	8,9882e-007	2,8275	0,19928
0,78438	1,0558e-006	2,8606	0,20336
0,79484	1,2767e-006	2,8939	0,2074
0,80529	1,5665e-006	2,8027	0,21041
0,81575	1,0577e-006	2,8353	0,21403
0,82621	2,3635e-006	2,8685	0,2177
0,83667	8,9982e-007	2,9017	0,22109
0,84713	6,7855e-007	2,9352	0,22441
0,85759	2,3234e-006	2,9688	0,22793
0,86805	1,2078e-006	3,0025	0,2316
0,8785	1,4095e-006	3,0362	0,23519
0,88896	1,3313e-006	3,07	0,23867
0,89942	1,4312e-006	3,1039	0,24215
0,90988	1,053e-006	3,1379	0,24576
0,92033	1,7808e-006	3,172	0,24931
0,93079	1,7232e-006	3,206	0,25283
0,94124	1,903e-006	3,2401	0,25642
0,9517	1,734e-006	3,2743	0,26001
0,96216	1,5849e-006	3,3086	0,26357
0,97261	1,9907e-006	3,3429	0,26714
0,98307	1,7243e-006	3,3772	0,2707
0,99352	2,9455e-006	3,4115	0,27433
1,	2,4309e-006	3,4329	0,27655
1,0105	2,9017e-006	3,4495	0,28005
1,0209	2,5255e-006	3,4662	0,28353
1,0314	1,4102e-006	3,4829	0,28699
1,0418	2,2378e-006	3,4996	0,29039
1,0523	2,7052e-006	3,5163	0,29381
1,0627	2,1879e-006	3,5331	0,29721
1,0732	2,173e-006	3,5498	0,3006
1,0836	2,1277e-006	3,5666	0,30397
1,0941	1,8607e-006	3,5834	0,30735
1,1045	2,5397e-006	3,6003	0,31066
1,115	3,0913e-006	3,6171	0,31402
1,1255	1,9304e-006	3,634	0,31734
1,1359	1,5252e-006	3,6509	0,32066
1,1464	1,5998e-006	3,6678	0,32397
1,1568	2,359e-006	3,6847	0,32733
1,1673	2,1222e-006	3,7016	0,33064
1,1777	2,8523e-006	3,7185	0,33391
1,1882	2,0029e-006	3,7354	0,33717
1,1986	1,8485e-006	3,7524	0,34047
1,2091	2,3298e-006	3,7696	0,34376
1,2195	2,4889e-006	3,7867	0,34705
1,23	1,9571e-006	3,7974	0,35021
1,2404	1,7904e-006	3,8144	0,3534
1,2509	2,525e-006	3,8315	0,35659
1,2613	2,0288e-006	3,8485	0,35979
1,2718	2,0603e-006	3,8655	0,36297
1,2823	2,4349e-006	3,8825	0,36615
1,2927	2,1669e-006	3,8996	0,36933
1,3032	2,1083e-006	3,9169	0,37249
1,3136	1,7293e-006	3,934	0,37567
1,3241	1,8418e-006	3,951	0,37886

	2,1095e-006	3,9684	0,38204
1,345	2,1407e-006	3,9854	0,3852
1,3554	1,6302e-006	4,003	0,38838
1,3659	1,5116e-006	4,0105	0,39141
1,3763	2,2436e-006	4,0278	0,39463
1,3868	2,7574e-006	4,0455	0,39781
1,3972	1,6082e-006	4,063	0,40113
1,4077	1,0363e-006	4,081	0,40439
1,4181	2,0905e-006	4,0992	0,40764
1,4286	1,1029e-006	4,1173	0,41099
1,439	1,899e-006	4,0285	0,41376
1,4495	4,2906e-007	4,0446	0,41624
1,4599	2,8111e-006	4,0614	0,41883
1,4704	3,0663e-006	4,0785	0,42168
1,4808	2,0643e-006	4,0966	0,42444
1,4913	1,4446e-006	4,1138	0,42725
1,5017	2,5209e-006	4,1323	0,43035
1,5122	2,0374e-006	4,1499	0,43344
1,5226	2,5133e-006	4,1682	0,43656
1,5331	1,3724e-006	4,1866	0,43959
1,5435	3,1202e-006	4,205	0,44273
1,554	2,2396e-006	4,2229	0,44597
1,5644	2,3578e-006	4,2408	0,44918
1,5749	2,9406e-006	4,2588	0,4525
1,5853	8,9138e-007	4,2769	0,45599
1,5958	1,1468e-006	4,2948	0,45923
1,6062	2,0926e-006	4,314	0,46249
1,6167	9,5888e-007	4,3318	0,46635
1,6271	2,8511e-006	4,3504	0,47011
1,6376	1,386e-006	4,369	0,47362
1,648	1,8831e-006	4,3876	0,47722
1,6585	3,0788e-006	4,406	0,48086
1,669	2,9752e-006	4,4244	0,48442
1,6794	2,1079e-006	4,4437	0,48815
1,6899	2,114e-006	4,4617	0,49201
1,7003	3,1144e-006	4,4797	0,49574
1,7108	9,6175e-007	4,2789	0,49716
1,7212	5,6143e-006	4,2967	0,49999
1,7317	1,9342e-006	4,3155	0,50255
1,7421	4,1238e-006	4,3356	0,50532
1,7526	1,4264e-006	4,355	0,50875
1,763	3,5292e-006	4,3749	0,51245
1,7735	5,1042e-006	4,3949	0,51549
1,7839	4,1554e-006	4,4157	0,51868
1,7944	4,631e-006	4,4352	0,52201
1,8048	2,7658e-006	4,4544	0,52552
1,8153	3,5124e-006	4,4742	0,52978
1,8257	3,1147e-006	4,4948	0,53352
1,8362	1,4554e-006	4,515	0,53731
1,8466	2,7413e-006	4,5353	0,54112
1,8571	2,7323e-006	4,5547	0,54493
1,8675	6,5191e-006	4,5742	0,5492
1,878	2,4126e-006	4,594	0,55344
1,8885	3,3813e-006	4,6137	0,55743
1,8989	2,9831e-006	4,633	0,56135
1,9094	3,5095e-006	4,6524	0,56528
1,9198	2,0191e-006	4,6721	0,56938
1,9303	3,9343e-006	4,6929	0,57382
1,9407	3,3353e-006	4,7155	0,57839
1,9512	4,133e-006	4,7361	0,58281
1,9616	3,7911e-006	4,758	0,58698
1,9721	3,1474e-006	4,7792	0,59136
1,9825	3,1375e-006	4,8004	0,59594
1,993	4,8297e-006	4,8235	0,60078
2,	4,1914e-006	4,8376	0,60372
2,0105	4,1501e-006	4,8732	0,60849
2,0209	4,006e-006	4,9068	0,61347
2,0313	1,8358e-005	2,558	0,59995
2,0417	1,9678e-005	2,4003	0,58627
2,0521	7,4673e-006	2,4064	0,58477
2,0625	1,6445e-005	2,4091	0,5778
2,0729	1,1176e-005	2,2726	0,57062
2,0833	2,004e-005	1,9842	0,56117
2,0937	1,9259e-005	2,0015	0,54917
2,1041	7,154e-006	2,0052	0,54232
2,1145	7,3104e-006	2,0102	0,53703
2,1249	1,2642e-005	2,0162	0,53601
2,1353	8,5673e-006	2,0188	0,53118
2,1457	1,1301e-005	2,0176	0,52435
2,1562	1,3761e-005	2,0133	0,51556
2,1666	3,1189e-006	2,0115	0,51872
2,177	4,1266e-006	2,0084	0,51255
2,1874	1,1419e-005	2,0031	0,50528
2,1978	3,8066e-006	1,9966	0,4999
2,2082	4,4991e-006	1,9904	0,49912
2,2186	3,2903e-006	1,9843	0,49875
2,229	7,2651e-006	1,9782	0,48936

	7,9607e-006	1,9685	0,48358
2,2499	9,6519e-006	1,9609	0,48319
2,2603	1,2239e-005	1,9541	0,48462
2,2707	6,e-006	1,9468	0,47712
2,2811	7,1692e-006	1,9374	0,46819
2,2915	5,0614e-006	1,9289	0,46615
2,3019	1,1202e-005	1,9213	0,4655
2,3123	6,4528e-006	1,9127	0,46001
2,3227	7,4e-006	1,9033	0,45541
2,3331	2,762e-006	1,8946	0,45323
2,3435	4,8206e-006	1,8867	0,44868
2,3539	7,4808e-006	1,8773	0,44383
2,3643	4,796e-006	1,9028	0,44143
2,3747	5,5428e-006	1,8833	0,43813
2,3851	3,169e-006	1,8553	0,43479
2,3955	1,2822e-006	1,842	0,43034
2,4059	3,6851e-006	1,833	0,42738
2,4163	4,5389e-006	1,8241	0,42572
2,4267	3,7993e-006	1,8155	0,42112
2,4371	2,7801e-006	1,8062	0,41658
2,4475	1,766e-006	1,7971	0,41385
2,4579	7,6329e-006	1,7917	0,4111
2,4684	1,7415e-006	1,8478	0,40946
2,4788	1,6287e-006	1,9177	0,40415
2,4892	3,1699e-006	2,0001	0,39929
2,4996	1,2791e-006	2,0934	0,39817
2,51	1,59e-006	2,1963	0,39662
2,5204	3,3367e-006	2,2643	0,3946
2,5308	2,4938e-006	2,2234	0,39112
2,5412	6,7151e-006	2,186	0,38802
2,5516	3,3442e-006	2,1522	0,38466
2,562	1,9773e-006	2,1221	0,38235
2,5724	4,2111e-006	2,096	0,38215
2,5828	4,8244e-006	2,074	0,38009
2,5932	5,3074e-006	2,0887	0,37625
2,6036	2,3462e-006	2,1575	0,37314
2,614	1,7873e-006	2,2266	0,37143
2,6244	1,8505e-006	2,296	0,37117
2,6348	2,3529e-006	2,3657	0,36828
2,6452	3,4426e-006	2,4358	0,36559
2,6556	2,7243e-006	2,5061	0,36326
2,666	6,5346e-007	2,5766	0,36109
2,6764	2,3917e-006	2,6474	0,35905
2,6868	4,4445e-006	2,7184	0,35732
2,6972	1,5284e-006	2,7895	0,35594
2,7076	1,7837e-006	2,8608	0,35501
2,718	3,0776e-006	2,9323	0,35279
2,7284	3,7406e-006	3,004	0,35065
2,7388	1,2555e-006	3,0757	0,34922
2,7492	3,0253e-006	3,1476	0,3474
2,7596	2,0245e-006	3,2196	0,33868
2,77	2,2387e-006	3,2917	0,33973
2,7804	3,6397e-006	3,364	0,34071
2,7908	3,2879e-006	3,4363	0,3389
2,8012	4,8736e-006	3,5087	0,33397
2,8116	3,522e-006	3,5207	0,33017
2,822	1,1145e-006	3,5309	0,32977
2,8324	3,3293e-006	3,568	0,33036
2,8428	3,7158e-006	3,6545	0,3288
2,8532	2,6383e-006	3,7652	0,32546
2,8636	5,2748e-006	3,802	0,32251
2,874	4,9896e-006	3,808	0,31849
2,8844	3,5526e-006	3,8238	0,3167
2,8948	6,6048e-006	3,8493	0,3156
2,9052	5,4743e-006	3,8905	0,31549
2,9156	6,8694e-006	3,9372	0,31406
2,926	4,1148e-007	3,987	0,31112
2,9364	3,0882e-006	4,0397	0,30862
2,9468	5,1669e-006	4,0954	0,29657
2,9572	2,8854e-005	4,1536	0,29518
2,9676	2,1882e-005	4,1591	0,29524
2,978	1,7426e-005	4,1279	0,29461
2,9884	8,4626e-006	4,0152	0,30001
2,9987	1,7745e-005	3,8631	0,29318
3,	1,0429e-005	3,8607	0,28668
3,0104	1,0843e-005	3,6505	0,28792
3,0208	1,6621e-005	3,4216	0,28604
3,0312	1,2682e-005	3,3187	0,29461
3,0416	1,1469e-005	3,1503	0,28916
3,052	5,558e-006	2,9576	0,28375
3,0624	1,1541e-005	2,8983	0,28082
3,0728	5,5539e-006	2,9466	0,2829
3,0832	5,8965e-006	3,0683	0,28904
3,0936	6,5735e-006	3,0717	0,28149
3,104	3,697e-006	3,2818	0,27726
3,1145	2,1819e-006	3,6694	0,27749
3,1249	3,8563e-006	3,9374	0,28028

	1,2245e-005	4,2621	0,28293
3,1457	3,7894e-006	4,6467	0,27752
3,1561	1,3218e-005	5,0794	0,27138
3,1665	5,7475e-006	5,542	0,27269
3,1769	1,0587e-005	6,0199	0,27717
3,1873	3,2911e-006	6,5098	0,27413
3,1977	2,5945e-006	7,0097	0,26964
3,2081	2,6145e-006	7,5172	0,27096
3,2185	3,9669e-006	8,0309	0,27257
3,2289	6,4382e-006	8,5495	0,27545
3,2393	1,3376e-006	9,0723	0,27192
3,2497	4,7287e-006	9,5992	0,26972
3,2601	3,2339e-006	10,129	0,27162
3,2705	2,1038e-006	10,66	0,27405
3,2809	3,544e-006	11,194	0,27132
3,2913	8,7511e-007	11,73	0,2696
3,3017	3,7149e-006	12,268	0,27173
3,3121	4,8475e-006	12,807	0,27329
3,3225	1,5128e-006	13,326	0,27151
3,3329	1,4725e-006	13,851	0,26891
3,3433	1,5346e-006	14,382	0,26925
3,3536	6,7127e-006	14,919	0,2724
3,364	1,6109e-006	15,455	0,27327
3,3744	2,2336e-006	15,983	0,27025
3,3848	1,7918e-006	16,516	0,26865
3,3952	1,1373e-006	17,053	0,27148
3,4056	2,3759e-006	17,573	0,27158
3,4159	1,9529e-006	18,051	0,25854
3,4263	9,7805e-006	18,539	0,2636
3,4367	9,6733e-006	19,041	0,27015
3,4471	5,1954e-006	19,648	0,269
3,4575	3,4317e-006	20,267	0,26079
3,4679	2,0224e-006	20,831	0,25984
3,4783	5,7599e-006	21,398	0,2609
3,4887	8,2639e-006	21,967	0,26624
3,4991	5,8551e-006	22,538	0,26618
3,5095	3,0668e-006	23,112	0,26019
3,5199	1,8029e-006	23,688	0,25893
3,5303	5,867e-006	24,266	0,25968
3,5406	4,7924e-006	24,845	0,26302
3,551	4,9249e-006	25,426	0,26107
3,5614	1,3227e-006	26,01	0,25904
3,5718	6,2942e-006	26,597	0,26045
3,5822	3,4805e-006	27,186	0,26239
3,5926	3,355e-006	27,766	0,26097
3,603	1,1909e-005	28,328	0,2587
3,6134	1,5821e-006	28,891	0,25938
3,6237	1,2707e-006	29,456	0,26287
3,6341	4,4301e-006	30,023	0,2627
3,6445	3,9512e-006	30,339	0,25943
3,6549	3,0692e-006	30,14	0,26002
3,6653	5,1628e-007	29,943	0,26223
3,6756	1,6141e-006	29,75	0,26103
3,686	2,3775e-006	29,543	0,25983
3,6964	2,1498e-006	29,335	0,26102
3,7068	2,4386e-006	29,127	0,26245
3,7171	2,012e-006	28,921	0,26106
3,7275	1,0164e-006	28,716	0,25904
3,7379	1,2993e-006	28,512	0,25952
3,7482	5,2385e-006	28,309	0,26179
3,7586	1,0516e-006	28,107	0,26229
3,769	5,637e-006	27,907	0,26069
3,7793	4,707e-006	27,707	0,25506
3,7897	8,4686e-006	27,509	0,25112
3,8001	1,0586e-005	27,312	0,2495
3,8105	6,8755e-006	27,116	0,25582
3,8209	3,6888e-006	26,922	0,2585
3,8313	3,6613e-006	26,729	0,25521
3,8416	3,2785e-006	26,538	0,25056
3,852	4,2064e-006	26,347	0,24913
3,8624	8,4814e-006	26,159	0,25487
3,8728	4,3752e-006	25,972	0,25632
3,8831	6,3266e-006	25,786	0,25369
3,8935	9,0791e-006	25,602	0,25159
3,9039	1,0502e-006	25,42	0,25104
3,9143	4,2818e-006	25,239	0,25265
3,9246	3,7361e-006	25,06	0,25524
3,935	1,2582e-006	24,883	0,2524
3,9454	1,0024e-005	24,707	0,25105
3,9558	5,6213e-006	24,533	0,25208
3,9661	1,3289e-006	24,361	0,25253
3,9765	3,5728e-006	24,191	0,25364
3,9869	1,5738e-006	24,022	0,25203
3,9973	5,6229e-006	23,856	0,25046
4,	3,5602e-006	23,812	0,25229
4,0104	1,9065e-006	23,648	0,25277
4,0207	2,2579e-006	23,486	0,25281

	1,7592e-006	23,327	0,25085
4,0415	9,9806e-007	23,169	0,25165
4,0518	6,5365e-006	23,013	0,2547
4,0622	9,0533e-007	22,86	0,25595
4,0726	1,9617e-006	22,709	0,25434
4,0829	8,7915e-007	22,56	0,25281
4,0933	1,0669e-006	22,414	0,25428
4,1036	1,044e-006	22,27	0,2569
4,1139	1,e-005	22,13	0,25869
4,1242	2,9818e-006	21,991	0,25765
4,1346	2,6971e-006	21,854	0,25666
4,1447	2,7223e-006	21,723	0,2573
4,1551	3,1954e-006	21,591	0,25913
4,1654	6,4606e-006	21,462	0,26039
4,1758	7,433e-006	21,336	0,26096
4,186	3,0467e-006	21,214	0,26166
4,1962	4,6108e-006	21,096	0,26212
4,2065	6,7808e-006	20,978	0,26139
4,2168	5,8771e-006	20,863	0,26158
4,2272	7,3681e-006	20,751	0,26384
4,2375	3,8654e-006	20,642	0,26559
4,2479	7,0695e-006	20,536	0,26503
4,2582	5,5307e-006	20,433	0,26389
4,2681	1,7395e-006	20,337	0,24434
4,2785	2,7441e-005	20,24	0,24249
4,2888	1,3874e-005	20,146	0,24534
4,2991	3,1184e-005	20,056	0,25729
4,3094	1,9432e-005	19,969	0,25388
4,3198	1,1159e-005	19,885	0,24355
4,3301	1,1737e-005	19,805	0,24926
4,3405	1,6348e-005	19,728	0,25399
4,3508	7,4198e-006	19,654	0,24911
4,3612	1,0237e-005	19,584	0,24435
4,3715	6,8355e-006	19,517	0,25058
4,3819	1,1368e-005	19,454	0,25519
4,3922	4,2711e-006	19,395	0,24734
4,4026	6,6704e-006	19,339	0,24078
4,4129	3,8809e-006	19,287	0,24618
4,4233	5,5795e-006	19,238	0,2505
4,4336	8,1682e-006	19,193	0,24894
4,444	5,8428e-006	19,152	0,24603
4,4543	3,3404e-006	19,115	0,24674
4,4647	1,5456e-006	19,082	0,24944
4,475	2,5365e-006	19,052	0,24661
4,4853	2,1798e-006	19,027	0,24368
4,4957	9,0891e-006	19,005	0,24738
4,506	3,2138e-006	18,987	0,25156
4,5164	2,7439e-006	18,973	0,24978
4,5267	2,6643e-006	18,962	0,24457
4,537	3,0425e-006	18,956	0,24324
4,5474	4,7066e-006	18,953	0,2469
4,5577	7,3437e-006	18,955	0,25046
4,568	1,0063e-005	18,96	0,25063
4,5784	2,5692e-006	18,969	0,2429
4,5887	5,1052e-006	18,982	0,23017
4,5991	9,3905e-006	18,999	0,23039
4,6095	1,4902e-005	19,02	0,22865
4,6198	1,504e-005	19,045	0,24138
4,6302	2,6566e-006	19,074	0,24837
4,6405	7,7571e-006	19,106	0,2437
4,6509	2,5633e-006	19,142	0,227
4,6613	9,1851e-006	19,182	0,22721
4,6716	2,4395e-005	19,226	0,23683
4,682	1,0331e-005	19,273	0,24269
4,6923	7,3999e-006	19,325	0,24127
4,7027	1,3349e-005	19,38	0,23449
4,713	9,3611e-006	19,438	0,23571
4,7234	1,5208e-005	19,5	0,24263
4,7337	1,1632e-005	19,566	0,23596
4,744	1,5838e-005	19,635	0,22908
4,7544	1,1272e-005	19,708	0,23682
4,7647	2,1951e-005	19,784	0,24693
4,7751	6,8782e-006	19,863	0,23798
4,7854	1,1681e-005	19,946	0,22945
4,7958	3,8588e-006	20,033	0,23083
4,8061	5,8373e-006	20,122	0,24424
4,8165	2,3662e-005	20,215	0,24675
4,8268	1,1169e-005	20,311	0,23811
4,8372	1,948e-006	20,411	0,2338
4,8475	9,8113e-006	20,513	0,24231
4,8579	1,6554e-006	20,619	0,24184
4,8682	9,8083e-006	20,727	0,24097
4,8785	8,4474e-006	20,838	0,24368
4,8889	2,7345e-006	20,953	0,247
4,8992	2,0333e-006	21,07	0,24401
4,9096	3,9249e-006	21,19	0,23928
4,9199	2,2477e-006	21,313	0,24103

	1,2653e-005	21,438	0,24963
4,9406	6,1234e-006	21,566	0,23378
4,9509	5,9515e-006	21,697	0,23843
4,9612	1,1966e-005	21,831	0,2386
4,9716	9,2075e-006	21,967	0,23751
4,9819	9,3481e-006	22,105	0,23835
4,9923	7,4325e-006	22,246	0,2431
5,	7,4372e-006	22,354	0,24339
5,0104	8,4565e-006	22,499	0,24374
5,0207	1,1701e-006	22,646	0,239
5,031	4,2579e-006	22,796	0,23914
5,0414	2,874e-006	22,948	0,24471
5,0517	7,396e-006	23,102	0,24683
5,0621	7,898e-006	23,259	0,24381
5,0724	7,3118e-006	23,417	0,24146
5,0828	2,3071e-006	23,578	0,2446
5,0931	7,6733e-006	23,74	0,2458
5,1034	3,589e-006	23,905	0,24622
5,1138	1,4508e-005	24,071	0,24503
5,1241	5,2748e-006	24,24	0,24496
5,1344	4,967e-006	24,41	0,24485
5,1448	4,1448e-006	24,582	0,24637
5,1551	3,9638e-006	24,756	0,24606
5,1655	5,9043e-006	24,931	0,24694
5,1758	6,3554e-006	25,108	0,2473
5,1861	2,245e-006	25,287	0,24773
5,1965	4,4871e-006	25,468	0,24713
5,2068	2,7381e-006	25,65	0,24752
5,2171	1,0173e-005	25,833	0,24838
5,2275	9,17e-006	26,019	0,24942
5,2378	8,6283e-006	26,205	0,24975
5,2481	2,6716e-006	26,393	0,24878
5,2584	1,2149e-005	26,583	0,24859
5,2688	9,2129e-006	26,774	0,24885
5,2791	5,0718e-006	26,966	0,2504
5,2894	1,1082e-005	27,159	0,25098
5,2997	8,8457e-006	27,354	0,25039
5,3101	9,9971e-006	27,55	0,24943
5,3204	1,9113e-005	27,748	0,24497
5,3308	1,784e-005	27,947	0,23221
5,3411	2,8118e-006	28,148	0,22351
5,3515	7,958e-006	28,35	0,23031
5,3618	4,9525e-006	28,553	0,24196
5,3722	6,8293e-006	28,756	0,24179
5,3825	1,0738e-005	28,962	0,23425
5,3929	1,2051e-005	29,168	0,23121
5,4033	5,0668e-006	29,375	0,23865
5,4136	1,4862e-005	29,583	0,23879
5,4239	5,1459e-006	29,792	0,23641
5,4343	5,3908e-006	30,003	0,23519
5,4447	7,9367e-006	30,214	0,24115
5,455	5,5906e-006	30,426	0,24243
5,4653	9,2644e-006	30,639	0,23778
5,4757	6,9341e-006	30,853	0,2337
5,486	1,3573e-005	31,068	0,24103
5,4964	7,6311e-006	31,283	0,24718
5,5067	1,5769e-005	31,5	0,24519
5,517	2,216e-006	31,717	0,23843
5,5274	6,9373e-006	31,935	0,23512
5,5377	4,4234e-006	32,154	0,24035
5,548	1,8555e-005	32,373	0,24403
5,5583	1,758e-005	32,593	0,24737
5,5687	2,8015e-005	32,814	0,24495
5,579	2,7558e-006	33,036	0,24062
5,5893	4,6362e-006	33,258	0,2385
5,5996	6,0251e-006	33,481	0,24181
5,6099	1,1615e-005	33,705	0,24675
5,6203	6,5393e-006	33,93	0,24871
5,6306	1,7315e-006	34,155	0,24386
5,6409	3,9077e-006	34,38	0,2426
5,6512	1,2326e-006	34,607	0,24681
5,6615	2,6132e-005	34,834	0,25221
5,6718	1,3824e-005	35,062	0,25313
5,6822	1,4062e-006	35,29	0,24961
5,6925	2,1e-006	35,519	0,24969
5,7028	1,1321e-005	35,748	0,25268
5,7131	7,8537e-006	35,978	0,25763
5,7234	1,4611e-005	36,208	0,23798
5,7337	1,7553e-005	36,44	0,2383
5,7441	1,6684e-005	36,672	0,23778
5,7544	2,5987e-005	36,905	0,25335
5,7647	3,7008e-005	37,138	0,25157
5,7751	1,6662e-005	37,372	0,24462
5,7854	5,466e-006	37,606	0,24013
5,7957	5,8585e-006	37,84	0,24647
5,8061	1,3982e-005	38,076	0,25214
5,8164	3,7175e-005	38,312	0,25582



	1,0725e-005	38,548	0,25144
5,8371	9,9404e-006	38,784	0,24669
5,8474	7,2606e-006	39,021	0,24899
5,8577	7,3072e-006	39,258	0,25472
5,8681	9,5699e-006	39,496	0,25808
5,8784	5,4061e-006	39,735	0,25471
5,8887	4,4528e-006	39,973	0,24398
5,899	6,5857e-006	40,212	0,24592
5,9093	9,234e-006	40,451	0,24993
5,9197	1,1319e-005	40,69	0,24971
5,93	6,5612e-006	40,93	0,24818
5,9401	1,2095e-005	41,166	0,24639
5,9504	9,4977e-006	41,407	0,24425
5,9607	4,9536e-005	41,648	0,22809
5,9711	2,901e-005	41,889	0,21635
5,9814	1,9722e-005	42,132	0,22324
5,9917	1,8071e-005	42,374	0,23301
6,	2,2997e-005	42,569	0,23031
6,0103	3,6515e-005	42,812	0,24249
6,0207	1,4009e-005	43,056	0,23144
6,031	1,9245e-005	43,3	0,22471
6,0414	1,3186e-005	43,544	0,22421
6,0517	1,5423e-005	43,789	0,23138
6,062	1,4243e-005	44,033	0,24598
6,0724	8,0825e-006	44,279	0,23679
6,0827	5,6999e-006	44,524	0,23083
6,093	6,8604e-006	44,77	0,22295
6,1034	1,3446e-005	45,016	0,23908
6,1137	1,814e-005	45,262	0,24835
6,124	1,0363e-005	45,509	0,24259
6,1344	5,5801e-006	45,756	0,23018
6,1447	6,2454e-006	46,003	0,23359
6,155	2,4224e-005	46,25	0,24522
6,1653	3,8426e-006	46,498	0,24911
6,1757	1,4865e-005	46,745	0,24148
6,186	4,2807e-006	46,994	0,2401
6,1963	1,2099e-005	47,242	0,24413
6,2067	8,1859e-006	47,49	0,25107
6,217	8,5215e-006	47,739	0,24714
6,2273	7,9162e-006	47,988	0,24705
6,2376	2,1269e-006	48,238	0,24806
6,248	1,0242e-005	48,487	0,25067
6,2583	3,6499e-006	48,736	0,25391
6,2686	1,393e-005	48,986	0,25667
6,2789	5,6705e-006	49,236	0,2558
6,2892	7,7015e-006	49,487	0,24687
6,2996	1,3574e-005	49,738	0,24882
6,3099	2,3948e-005	49,988	0,25776
6,3202	7,9888e-006	50,239	0,26167
6,3305	2,5013e-006	50,491	0,25507
6,3409	7,3925e-006	50,742	0,25332
6,3512	1,8099e-006	50,994	0,26073
6,3615	1,1795e-005	51,246	0,26665
6,3719	8,0062e-006	51,498	0,26523
6,3822	1,3974e-006	51,75	0,26162
6,3925	7,1962e-006	52,002	0,26388
6,4028	4,6411e-006	52,255	0,25924
6,4132	1,5232e-005	52,508	0,2641
6,4235	3,0301e-005	52,761	0,26675
6,4338	1,0435e-005	53,014	0,26596
6,4441	2,1923e-005	53,268	0,26679
6,4545	4,9983e-006	53,521	0,27145
6,4648	7,4472e-006	53,775	0,27391
6,4751	5,5127e-006	54,028	0,27265
6,4854	1,9514e-005	54,283	0,27266
6,4957	7,1819e-006	54,537	0,27815
6,5061	1,3901e-005	54,791	0,28002
6,5164	1,0247e-005	55,045	0,2796
6,5267	1,5157e-005	55,3	0,28136
6,537	3,5605e-006	55,554	0,28542
6,5473	4,7934e-006	55,809	0,28716
6,5576	1,4043e-005	56,064	0,2884
6,568	5,3386e-006	56,319	0,29021
6,5783	1,4756e-005	56,574	0,29319
6,5886	2,6872e-006	56,83	0,2947
6,5989	9,5837e-006	57,085	0,29796
6,6092	5,1574e-006	57,341	0,29965
6,6195	1,2569e-005	57,596	0,28773
6,6298	6,5757e-006	57,852	0,29235
6,6401	1,1795e-005	58,107	0,29689
6,6504	5,1688e-006	58,363	0,30619
6,6607	1,0581e-005	58,619	0,30378
6,671	8,0506e-006	58,875	0,30256
6,6813	2,0766e-006	59,13	0,30346
6,6916	1,3795e-005	59,387	0,31211
6,7019	1,2333e-005	59,643	0,31608
6,7121	1,5604e-005	59,899	0,31302

	8,2346e-006	60,155	0,31403
6,7327	6,8529e-006	60,412	0,32129
6,743	1,8244e-006	60,668	0,32656
6,7533	1,6335e-005	60,925	0,32445
6,7636	6,3276e-006	61,181	0,32512
6,7738	5,6956e-006	61,438	0,33231
6,7841	6,3089e-006	61,695	0,33707
6,7944	1,5281e-005	61,952	0,33012
6,8047	1,7697e-005	62,21	0,32431
6,815	1,462e-005	62,468	0,31814
6,8253	9,6749e-006	62,725	0,33501
6,8356	2,7607e-005	62,983	0,33648
6,8459	2,727e-005	63,241	0,32851
6,8562	3,58e-005	63,499	0,32705
6,8664	1,2491e-005	63,756	0,2864
6,8768	2,3832e-005	64,016	0,29383
6,8872	2,469e-005	64,276	0,28545
6,8975	3,5818e-005	64,536	0,29619
6,9079	3,9138e-005	64,796	0,29585
6,9182	3,4924e-005	65,057	0,29488
6,9286	4,326e-005	65,317	0,30423
6,939	3,0685e-005	65,577	0,29221
6,9493	1,3781e-005	65,838	0,29661
6,9597	5,59e-006	66,099	0,29855
6,9701	7,3679e-006	66,36	0,31221
6,9805	6,0273e-006	66,622	0,30461
6,9908	1,399e-005	66,883	0,30522
7,	5,6337e-006	67,114	0,29936
7,0104	1,3657e-005	67,375	0,30874
7,0207	8,3739e-006	67,637	0,30944
7,0311	1,1184e-005	67,898	0,30959
7,0415	5,8848e-006	68,159	0,30456
7,0518	7,0373e-006	68,421	0,31118
7,0622	2,8208e-006	68,683	0,31555
7,0726	4,6016e-006	68,944	0,31304
7,0829	1,1341e-005	69,206	0,31146
7,0933	9,4873e-006	69,468	0,31581
7,1036	6,1192e-006	69,729	0,32227
7,114	4,2278e-006	69,991	0,31845
7,1244	8,0573e-006	70,253	0,3183
7,1347	1,3361e-006	70,515	0,32281
7,1451	3,7102e-006	70,777	0,32737
7,1554	6,0915e-006	71,039	0,32615
7,1658	6,7259e-006	71,301	0,32539
7,1761	7,321e-006	71,563	0,33029
7,1865	2,5977e-006	71,825	0,33376
7,1968	7,1034e-006	72,087	0,33474
7,2072	4,6912e-006	72,35	0,33528
7,2175	6,2471e-006	72,612	0,33843
7,2278	7,4317e-006	72,874	0,34171
7,2382	6,5014e-006	73,137	0,34431
7,2485	1,0772e-005	73,399	0,34584
7,2589	1,229e-005	73,661	0,34638
7,2692	2,3313e-005	73,924	0,3512
7,2795	1,4699e-005	74,186	0,35149
7,2899	9,521e-006	74,449	0,352
7,3002	7,6475e-006	74,712	0,35647
7,3106	1,5152e-005	74,974	0,36002
7,3209	1,0437e-005	75,237	0,36104
7,3312	1,8032e-005	75,5	0,36113
7,3416	3,945e-006	75,762	0,36182
7,3519	1,758e-005	76,025	0,34088
7,3623	6,105e-005	76,289	0,34435
7,3727	4,1351e-005	76,554	0,33448
7,383	3,8072e-005	76,817	0,36001
7,3934	2,519e-005	77,082	0,35184
7,4038	1,8863e-005	77,347	0,34599
7,4142	1,8652e-005	77,611	0,34386
7,4246	8,8014e-006	77,876	0,36741
7,435	2,7991e-005	78,141	0,36348
7,4454	2,5354e-005	78,405	0,3471
7,4558	4,3049e-005	78,67	0,35359
7,4661	3,2074e-005	78,934	0,36418
7,4765	2,302e-005	79,199	0,37013
7,4869	2,0948e-005	79,463	0,36132
7,4972	1,6825e-005	79,728	0,36314
7,5076	2,0172e-005	79,993	0,37396
7,518	2,7812e-005	80,257	0,38017
7,5284	1,2423e-005	80,522	0,37821
7,5387	7,2029e-006	80,787	0,37304
7,5491	2,5317e-005	81,052	0,38624
7,5595	7,2749e-006	81,317	0,39232
7,5699	1,2073e-005	81,582	0,38883
7,5802	6,7339e-006	81,847	0,38646
7,5906	1,3722e-005	82,112	0,39499
7,601	9,4381e-006	82,377	0,40289
7,6113	6,8587e-006	82,642	0,40272

	6,3787e-006	82,907	0,40326
7,6321	2,9439e-006	83,172	0,4082
7,6424	1,2359e-005	83,437	0,41622
7,6528	8,5689e-006	83,702	0,41824
7,6632	1,1755e-005	83,967	0,41992
7,6735	1,478e-005	84,232	0,42143
7,6839	1,7741e-005	84,498	0,42896
7,6942	2,8449e-005	84,763	0,43422
7,7046	1,5701e-005	85,028	0,43672
7,7149	2,0273e-005	85,293	0,44044
7,7253	1,6254e-005	85,558	0,44371
7,7356	1,228e-005	85,823	0,44839
7,746	1,8355e-005	86,088	0,45292
7,7563	6,3072e-006	86,353	0,4566
7,7667	8,9121e-006	86,618	0,46158
7,777	1,1217e-005	86,883	0,46585
7,7873	1,5808e-005	87,148	0,46992
7,7977	1,0965e-005	87,413	0,47394
7,808	1,248e-005	87,678	0,47996
7,8184	1,3101e-005	87,943	0,4848
7,8287	2,223e-005	88,208	0,49061
7,839	8,428e-006	88,473	0,49608
7,8494	1,5111e-005	88,738	0,50143
7,8597	1,0234e-005	89,004	0,50591
7,8701	1,0862e-005	89,27	0,50522
7,8804	5,005e-005	89,535	0,50631
7,8908	1,8324e-005	89,802	0,50307
7,9012	1,6633e-005	90,069	0,5093
7,9115	5,1315e-005	90,334	0,5337
7,9215	1,04e-005	90,592	0,45467
7,9316	9,4003e-005	90,85	0,4501
7,9418	1,2638e-004	91,112	0,45522
7,952	3,9911e-005	91,374	0,5031
7,9621	3,6975e-005	91,635	0,4844
7,9723	3,7812e-005	91,896	0,46922
7,9825	2,9037e-005	92,158	0,45686
7,9926	5,724e-005	92,418	0,49192
8,	4,8543e-005	92,608	0,48804
8,0101	9,4251e-005	92,868	0,49041
8,0203	4,197e-005	93,13	0,49349
8,0305	1,5279e-005	93,391	0,50166
8,0407	1,4043e-005	93,654	0,52668
8,0508	1,2035e-005	93,915	0,52289
8,061	1,0136e-005	94,177	0,51122
8,0712	5,4546e-006	94,438	0,51633
8,0813	1,2152e-005	94,7	0,50566
8,0915	3,1338e-005	94,961	0,49921
8,1017	3,1317e-005	95,224	0,50848
8,112	3,247e-005	95,488	0,50099
8,1222	1,4494e-005	95,751	0,49683
8,1324	1,3462e-005	96,014	0,48795
8,1426	1,883e-005	96,278	0,48541
8,1529	1,7996e-005	96,542	0,49414
8,1631	3,5238e-005	96,806	0,49915
8,1733	3,5017e-005	97,069	0,49195
8,1836	1,6722e-005	97,333	0,48471
8,1938	9,4617e-006	97,596	0,49139
8,2041	1,9947e-005	97,86	0,50142
8,2143	1,5892e-005	98,124	0,50216
8,2245	2,0142e-005	98,388	0,4938
8,2348	1,5361e-005	98,652	0,49533
8,245	1,6091e-005	101,65	0,501
8,2552	6,4686e-006	105,28	0,50488
8,2654	7,5761e-006	108,92	0,50395
8,2757	1,6557e-005	112,56	0,50502
8,2859	1,4784e-005	116,2	0,51138
8,2961	7,5764e-006	119,83	0,5143
8,3064	2,6275e-006	123,47	0,51576
8,3166	9,3285e-006	127,1	0,51787
8,3268	2,8739e-006	130,74	0,52454
8,337	6,3227e-006	134,37	0,52743
8,3473	3,1962e-006	138,01	0,52909
8,3575	5,0694e-006	141,65	0,53276
8,3677	4,7679e-006	145,28	0,53865
8,3779	3,4162e-006	148,91	0,54158
8,3881	7,5242e-006	152,55	0,54501
8,3984	7,0621e-006	156,18	0,55051
8,4086	4,9433e-006	159,81	0,55591
8,4188	9,0661e-006	163,45	0,55941
8,429	6,4621e-006	167,08	0,56325
8,4392	2,6375e-006	170,71	0,56943
8,4494	7,9185e-006	174,34	0,57497
8,4597	3,7822e-006	177,98	0,57861
8,4699	9,295e-006	181,61	0,58404
8,4801	5,5446e-006	185,24	0,5891
8,4903	1,1529e-005	188,89	0,57781
8,5006	1,6244e-005	192,53	0,57608

	1,8573e-005	196,18	0,56693
8,5211	3,1557e-005	199,84	0,5536
8,5314	1,526e-005	203,49	0,56061
8,5417	2,7264e-005	207,14	0,55875
8,552	1,9895e-005	210,8	0,57788
8,5622	2,6123e-005	214,45	0,57411
8,5725	1,1517e-005	218,1	0,56116
8,5828	1,2039e-005	221,76	0,55709
8,5931	7,6773e-006	225,42	0,55591
8,6033	3,6473e-006	229,07	0,56595
8,6136	5,7746e-006	232,73	0,5741
8,6239	1,0992e-005	236,38	0,57405
8,6342	1,4157e-005	240,04	0,56591
8,6445	2,0399e-005	243,69	0,56236
8,6547	4,2758e-006	247,35	0,5639
8,665	1,1739e-005	251,01	0,5741
8,6753	2,0108e-005	254,66	0,57951
8,6856	7,8301e-006	258,32	0,57865
8,6959	6,8227e-006	261,98	0,57311
8,7062	9,1619e-006	265,63	0,57312
8,7165	5,6013e-006	269,3	0,57525
8,7267	8,4812e-006	272,95	0,57835
8,737	6,8669e-006	276,61	0,58635
8,7473	2,1001e-005	280,27	0,58918
8,7576	7,6197e-006	283,93	0,585
8,7679	1,111e-005	287,59	0,58059
8,7782	7,5733e-006	291,24	0,57842
8,7884	1,5401e-005	294,9	0,58131
8,7987	7,5074e-006	298,55	0,58712
8,809	1,0247e-005	302,21	0,5923
8,8193	6,8314e-006	305,86	0,59201
8,8296	6,7296e-006	309,52	0,59203
8,8398	8,3306e-006	313,17	0,58976
8,8501	2,4014e-006	316,83	0,59145
8,8604	8,5666e-006	320,49	0,59198
8,8707	5,6615e-006	324,15	0,59636
8,881	9,2407e-006	327,8	0,60171
8,8913	4,8583e-006	331,46	0,60413
8,9016	7,8875e-006	335,12	0,60554
8,9118	2,1508e-006	338,78	0,60429
8,9221	2,8066e-006	342,44	0,60563
8,9324	6,1109e-006	346,1	0,60622
8,9427	3,5839e-006	349,76	0,61223
8,953	1,1118e-005	353,42	0,61631
8,9633	6,0804e-006	357,08	0,61882
8,9736	4,9207e-006	360,75	0,61957
8,9839	8,9424e-006	364,41	0,62273
8,9942	3,6319e-006	368,07	0,62377
9,	8,4882e-006	370,13	0,62661
9,0103	7,0527e-006	373,8	0,62941
9,0206	4,7044e-006	377,46	0,62907
9,0309	6,1821e-006	381,13	0,62655
9,0412	9,3638e-006	384,78	0,62976
9,0515	8,9468e-006	388,45	0,63184
9,0618	2,0125e-006	392,12	0,63172
9,0722	1,102e-005	395,79	0,63785
9,0825	5,227e-006	399,46	0,63779
9,0928	7,9687e-006	403,14	0,63739
9,1031	4,3159e-006	406,81	0,64138
9,1135	6,4762e-006	410,48	0,64499
9,1238	6,7382e-006	414,15	0,64761
9,1341	6,8349e-006	417,82	0,64958
9,1444	8,6943e-006	421,49	0,65151
9,1548	6,2982e-006	425,16	0,64817
9,1651	3,4935e-005	428,84	0,65116
9,1754	1,3048e-005	432,51	0,65661
9,1858	1,3949e-005	436,19	0,6587
9,1961	2,4418e-005	439,87	0,65984
9,2064	7,0555e-006	443,54	0,6609
9,2168	1,5903e-005	447,22	0,66342
9,2271	4,5922e-006	450,9	0,66488
9,2375	7,6995e-006	454,58	0,66618
9,2478	8,4582e-006	458,25	0,67382
9,2581	2,3179e-006	461,93	0,6785
9,2685	1,3275e-005	465,61	0,6808
9,2788	8,6262e-006	469,29	0,68292
9,2892	5,37e-006	472,96	0,68575
9,2995	4,7118e-006	476,64	0,6883
9,3093	1,2146e-005	480,12	0,68781
9,3196	5,1853e-005	483,78	0,69438
9,3299	2,5294e-005	487,46	0,70491
9,3403	1,8213e-005	491,13	0,70171
9,3506	2,9525e-005	494,82	0,69924
9,361	1,0589e-005	498,5	0,70075
9,3713	1,6636e-005	502,18	0,69559
9,3817	2,3159e-005	505,87	0,70049
9,392	1,6137e-005	509,55	0,70585

	1,6784e-005	513,22	0,70966
9,4127	1,3828e-005	516,9	0,70244
9,4231	1,1594e-005	520,59	0,71025
9,4334	8,2766e-006	524,27	0,70502
9,4438	1,1328e-005	527,95	0,71072
9,4541	1,5905e-005	531,63	0,7137
9,4645	1,4862e-005	535,31	0,71955
9,4748	1,3692e-005	538,99	0,71459
9,4852	1,3947e-005	542,67	0,71644
9,4955	7,7338e-006	546,36	0,7173
9,5059	6,2874e-006	550,04	0,72118
9,5163	5,9541e-006	553,72	0,7228
9,5266	4,6206e-006	557,4	0,72989
9,537	1,5795e-005	561,09	0,71076
9,5473	2,2954e-005	564,75	0,72036
9,5576	4,1178e-005	568,43	0,7145
9,568	1,2872e-005	572,11	0,72126
9,5783	3,0332e-005	575,79	0,71646
9,5886	1,588e-005	579,46	0,72963
9,599	8,9722e-006	583,14	0,72267
9,6093	3,3564e-005	586,81	0,72806
9,6196	6,0352e-006	590,49	0,72556
9,63	1,5809e-005	594,17	0,73289
9,6403	1,7227e-005	597,85	0,73375
9,6507	3,3696e-006	601,52	0,73859
9,661	7,7527e-006	605,2	0,74099
9,6714	1,2544e-005	608,88	0,73932
9,6817	3,3143e-006	612,56	0,74108
9,692	5,2823e-006	616,23	0,74435
9,7024	1,2e-005	619,91	0,75189
9,7127	8,3282e-006	623,59	0,75406
9,7231	4,8117e-006	627,27	0,75819
9,7334	7,3351e-006	630,95	0,75682
9,7438	7,7052e-007	634,63	0,75846
9,7541	3,8944e-006	638,31	0,76176
9,7645	1,2091e-005	641,99	0,76852
9,7748	9,0643e-006	645,66	0,77283
9,7851	5,9185e-006	649,34	0,77486
9,7955	7,1161e-006	653,02	0,77686
9,8058	2,1735e-006	656,7	0,77868
9,8162	5,9619e-006	660,38	0,78289
9,8265	3,7226e-006	664,06	0,78885
9,8369	1,0152e-005	667,74	0,79448
9,8472	4,8054e-006	671,42	0,79743
9,8576	3,1775e-006	675,1	0,79942
9,8679	3,9943e-006	678,78	0,80341
9,8783	3,1547e-006	682,47	0,80758
9,8886	4,3909e-006	686,15	0,814
9,899	2,2477e-006	689,83	0,81982
9,9093	4,4631e-006	693,51	0,82424
9,9197	4,1895e-006	697,19	0,82676
9,93	3,9084e-006	700,87	0,81087
9,9404	4,7075e-005	704,55	0,81861
9,9507	1,0674e-005	708,22	0,8278
9,9611	2,6994e-005	711,9	0,83063
9,9714	3,2976e-005	715,58	0,83811
9,9817	1,0519e-005	719,25	0,83297
9,9921	2,592e-005	722,93	0,84509
10,	7,245e-006	725,75	0,84592
10,01	1,037e-005	729,43	0,84571
10,021	2,6816e-005	733,11	0,85321
10,031	6,565e-006	736,78	0,85313
10,041	7,5327e-006	740,46	0,86355
10,052	8,2949e-006	744,14	0,86235
10,062	1,1694e-005	747,82	0,86987
10,072	5,9129e-006	751,49	0,87115
10,083	7,6884e-006	755,17	0,87703
10,093	1,2147e-005	758,85	0,88388
10,103	6,4609e-006	762,53	0,88934
10,114	8,072e-006	766,2	0,89375
10,124	7,3358e-006	769,87	0,88709
10,134	2,3159e-005	773,55	0,88316
10,145	2,7794e-005	777,22	0,89156
10,155	1,8976e-005	780,88	0,89147
10,165	1,6032e-005	784,56	0,90071
10,176	1,9219e-005	788,23	0,89898
10,186	2,1008e-005	791,9	0,90462
10,196	1,5335e-005	795,57	0,9082
10,207	1,4273e-005	799,25	0,91142
10,217	1,7658e-005	802,92	0,91687
10,227	2,8008e-006	806,59	0,91888
10,238	9,2668e-006	810,26	0,92788
10,248	8,5793e-006	813,94	0,92715
10,258	5,0985e-006	817,61	0,93427
10,269	7,3154e-006	821,28	0,9383
10,279	3,8923e-006	824,96	0,94229
10,289	5,4218e-006	828,63	0,94477

	9,7775e-006	832,31	0,95364
10,31	1,0119e-005	835,98	0,95635
10,32	8,4331e-006	839,66	0,95999
10,331	5,2432e-006	843,33	0,96586
10,341	1,1204e-005	847,01	0,97231
10,351	5,6083e-006	850,69	0,97599
10,362	4,0448e-006	854,36	0,98166
10,372	1,9508e-006	858,04	0,98743
10,382	5,2512e-006	861,72	0,99238
10,393	4,9941e-006	865,4	0,99637
10,403	3,8792e-006	869,07	1,0027
10,413	8,0639e-006	872,75	1,0087
10,424	2,8716e-006	876,43	1,0139
10,434	3,5016e-006	880,11	1,0189
10,444	2,6837e-006	883,79	1,0254
10,455	4,0168e-006	887,47	1,0295
10,465	2,57e-006	891,15	1,0356
10,475	2,9263e-006	894,82	1,0414
10,486	3,5404e-006	898,5	1,0428
10,496	1,3837e-005	902,18	1,0343
10,506	2,3845e-005	905,85	1,0452
10,517	1,9792e-005	909,52	1,0458
10,527	1,23e-005	913,2	1,0529
10,537	8,6298e-006	916,87	1,05
10,548	1,1179e-005	920,54	1,0606
10,558	2,0088e-005	924,22	1,062
10,568	8,282e-006	927,89	1,0663
10,579	4,7463e-006	931,56	1,0717
10,589	5,9829e-006	935,24	1,0764
10,599	4,5574e-006	938,91	1,0797
10,61	1,0639e-005	942,59	1,0814
10,62	4,6367e-006	946,26	1,0895
10,63	1,3146e-005	949,93	1,0596
10,641	8,9435e-005	953,54	1,0915
10,651	6,2458e-005	957,18	1,1026
10,661	7,2976e-005	960,82	1,1157
10,671	4,2494e-005	964,46	1,1236
10,682	1,0342e-005	968,11	1,1488
10,692	5,2172e-005	971,76	1,1518
10,702	2,4286e-005	975,39	1,1414
10,712	1,8288e-005	979,	1,141
10,722	3,3323e-005	982,64	1,154
10,733	2,0135e-005	986,28	1,1531
10,743	2,2308e-005	989,91	1,1512
10,753	1,3285e-005	993,54	1,1593
10,763	4,0874e-005	997,18	1,1768
10,773	4,5959e-005	1000,8	1,1734
10,784	2,2464e-005	1004,5	1,1758
10,794	2,8433e-005	1008,1	1,1803
10,804	2,2239e-005	1011,7	1,1943
10,814	1,4319e-005	1015,4	1,1957
10,825	2,2497e-005	1019,	1,203
10,835	7,7338e-006	1022,6	1,2124
10,845	1,0897e-005	1026,3	1,224
10,855	8,1606e-006	1029,9	1,226
10,866	1,6897e-005	1033,6	1,2338
10,876	1,116e-005	1037,2	1,242
10,886	8,8907e-006	1040,8	1,2535
10,896	4,7896e-006	1044,5	1,2623
10,906	1,3566e-005	1048,1	1,2686
10,917	3,9504e-006	1051,7	1,279
10,927	7,0937e-006	1055,4	1,2893
10,937	1,0409e-005	1059,	1,2956
10,947	9,0309e-006	1062,7	1,3029
10,958	7,1757e-006	1066,3	1,3135
10,968	7,4354e-006	1069,9	1,3257
10,978	4,7989e-006	1073,6	1,3343
10,988	4,281e-006	1077,2	1,3436
10,999	6,4368e-006	1080,9	1,354
11,	5,869e-006	1081,4	1,3561
11,01	4,8034e-006	1085,	1,3632
11,02	2,2873e-005	1088,5	1,4836
11,03	1,8809e-004	1092,1	1,6283
11,04	3,9323e-005	1095,7	1,7373
11,05	6,1559e-005	1099,2	1,8487
11,06	3,5793e-005	1102,8	1,9701
11,07	8,0773e-005	1316,7	2,1144
11,08	3,9355e-005	1541,9	2,2366
11,091	5,9984e-005	1768,4	2,3887
11,101	5,9387e-005	1994,5	2,5141
11,111	2,2766e-005	2219,7	2,6275
11,121	1,9957e-005	2444,9	2,7755
11,131	3,3576e-005	2669,	2,8943
11,141	2,0839e-005	2894,9	3,0248
11,151	2,0064e-005	3120,9	3,1809
11,161	1,2886e-005	3347,1	3,3053
11,171	1,4271e-005	3573,2	3,4263

	1,3885e-005	3798,3	3,5668
11,192	6,6596e-006	4023,4	3,6918
11,202	1,8724e-005	4249,	3,8337
11,212	6,3477e-006	4474,7	3,9697
11,222	1,5444e-005	4700,7	4,0987
11,232	1,8702e-005	4926,6	4,2332
11,242	1,2636e-005	5152,1	4,3615
11,252	9,2207e-006	5377,3	4,4866
11,262	8,0025e-006	5602,6	4,6309
11,272	3,2371e-006	5828,1	4,7681
11,282	3,3435e-005	6053,9	4,8998
11,293	7,9487e-006	6279,2	5,0288
11,303	6,0918e-006	6504,4	5,1583
11,313	1,4167e-005	6729,8	5,2938
11,323	5,3483e-006	6955,1	5,4271
11,333	5,4759e-006	7180,5	5,5612
11,343	4,2496e-006	7406,1	5,7006
11,353	7,2774e-006	7631,5	5,8376
11,363	1,3775e-005	7856,9	5,9673
11,373	2,3326e-005	8080,4	6,1417
11,383	6,5118e-006	8305,1	6,3189
11,393	1,6701e-005	8530,4	6,5098
11,403	2,0006e-005	8755,9	6,6985
11,414	1,0396e-005	8981,5	6,8852
11,424	1,569e-005	9206,7	7,076
11,434	8,6308e-006	9432,	7,264
11,444	3,7666e-006	9657,2	7,4523
11,454	6,0456e-006	9882,3	7,6389
11,464	1,3009e-005	10108	7,8249
11,474	8,5372e-006	10333	8,0175
11,484	1,015e-005	10559	8,2048
11,494	4,0745e-006	10784	8,3917
11,504	6,2315e-006	11009	8,5816
11,514	4,8277e-006	11235	8,7704
11,524	5,537e-006	11460	8,9597
11,535	6,4841e-006	11685	9,1487
11,545	4,3864e-006	11911	9,3374
11,555	7,5042e-006	12136	9,5259
11,565	2,9613e-006	12361	9,7136
11,575	7,4687e-006	12587	9,9007
11,585	6,3734e-006	12812	10,092
11,595	3,9886e-006	13037	10,281
11,605	4,4842e-006	13263	10,472
11,615	6,5024e-006	13488	10,661
11,625	3,2489e-006	13713	10,849
11,636	3,2691e-006	13939	11,036
11,646	5,8977e-006	14164	11,224
11,656	4,915e-006	14390	11,413
11,666	4,4711e-006	14615	11,604
11,676	5,6626e-006	14840	11,794
11,686	2,6413e-006	15066	11,984
11,696	3,9489e-006	15291	12,173
11,706	1,7641e-006	15516	12,361
11,716	2,8104e-006	15742	12,549
11,726	5,1618e-006	15967	12,738
11,736	2,9571e-006	16192	12,927
11,746	3,4121e-006	16418	13,117
11,757	2,0177e-006	16643	13,303
11,767	1,1318e-005	16868	13,492
11,777	6,814e-006	17093	13,68
11,787	7,5291e-006	17319	13,87
11,797	5,1322e-006	17544	14,057
11,807	6,0892e-006	17769	14,247
11,817	4,9551e-006	17994	14,437
11,827	1,8793e-006	18219	14,626
11,837	7,4779e-006	18445	14,814
11,847	4,0387e-006	18670	15,004
11,857	5,6631e-006	18895	15,193
11,868	3,255e-006	19120	15,383
11,878	4,9541e-006	19346	15,572
11,888	1,9356e-006	19571	15,761
11,898	4,2486e-006	19796	15,95
11,908	5,3814e-006	20021	16,139
11,918	6,361e-006	20247	16,328
11,928	3,5409e-006	20472	16,518
11,938	2,6624e-006	20697	16,708
11,948	3,1992e-006	20923	16,897
11,958	1,1456e-006	21148	17,086
11,968	3,7152e-006	21373	17,275
11,978	7,3289e-006	21598	17,464
11,989	5,009e-006	21824	17,653
11,999	2,8337e-006	22049	17,843
12,	3,5593e-006	22079	17,869
12,01	4,3462e-006	22304	18,059
12,02	1,7791e-006	22530	18,248
12,03	2,1067e-006	22755	18,437
12,04	5,4741e-006	22980	18,626

	3,9841e-006	23206	18,815
12,061	3,2762e-006	23431	19,005
12,071	2,2608e-006	23656	19,194
12,081	2,3408e-006	23881	19,384
12,091	1,7825e-006	24107	19,574
12,101	1,8709e-006	24332	19,763
12,111	2,8473e-006	24557	19,952
12,121	2,6884e-006	24782	20,142
12,131	2,7138e-006	25008	20,331
12,141	2,9483e-006	25233	20,52
12,151	2,3984e-006	25458	20,71
12,161	2,3745e-006	25684	20,9
12,171	2,083e-006	25909	21,09
12,182	2,3011e-006	26134	21,279
12,192	2,0776e-006	26359	21,468
12,202	1,9509e-006	26585	21,658
12,212	2,5779e-006	26810	21,847
12,222	2,6515e-006	27035	22,037
12,232	3,354e-006	27261	22,226
12,242	2,9222e-006	27486	22,416
12,252	2,5154e-006	27711	22,606
12,262	2,2183e-006	27936	22,795
12,272	1,9962e-006	28162	22,985
12,282	1,8729e-006	28387	23,174
12,293	2,6171e-006	28612	23,364
12,303	3,8043e-006	28838	23,553
12,313	3,8167e-006	29063	23,743
12,323	2,7151e-006	29288	23,933
12,333	2,3085e-006	29513	24,122
12,343	2,3312e-006	29739	24,312
12,353	1,9657e-006	29964	24,502
12,363	2,0722e-006	30189	24,691
12,373	3,1451e-006	30415	24,881
12,383	3,7846e-006	30640	25,07
12,393	3,4847e-006	30865	25,26
12,404	2,9395e-006	31090	25,45
12,414	2,462e-006	31316	25,639
12,424	2,253e-006	31541	25,829
12,434	2,1262e-006	31766	26,019
12,444	2,6318e-006	31992	26,208
12,454	3,505e-006	32217	26,398
12,464	3,4589e-006	32442	26,587
12,474	2,9061e-006	32667	26,777
12,484	2,6949e-006	32893	26,967
12,494	2,5719e-006	33118	27,157
12,504	2,4997e-006	33343	27,346
12,514	2,5943e-006	33569	27,536
12,525	2,7801e-006	33794	27,726
12,535	2,8946e-006	34019	27,915
12,545	2,7884e-006	34244	28,105
12,555	2,6856e-006	34470	28,295
12,565	2,8244e-006	34695	28,484
12,575	2,9183e-006	34920	28,674
12,585	2,9145e-006	35146	28,864
12,595	2,8455e-006	35371	29,053
12,605	2,7891e-006	35596	29,243
12,615	2,7122e-006	35822	29,433
12,625	2,6782e-006	36047	29,623
12,636	2,7868e-006	36272	29,812
12,646	3,0338e-006	36497	30,002
12,656	3,1393e-006	36723	30,192
12,666	3,0328e-006	36948	30,381
12,676	2,9006e-006	37173	30,571
12,686	2,8696e-006	37399	30,761
12,696	2,7132e-006	37624	30,951
12,706	2,7785e-006	37849	31,14
12,716	2,907e-006	38074	31,33
12,726	3,0863e-006	38300	31,52
12,736	3,0951e-006	38525	31,709
12,747	3,0215e-006	38750	31,899
12,757	2,9823e-006	38976	32,089
12,767	2,9714e-006	39201	32,279
12,777	2,9107e-006	39426	32,468
12,787	2,8814e-006	39651	32,658
12,797	2,9409e-006	39877	32,848
12,807	3,011e-006	40102	33,038
12,817	3,0404e-006	40327	33,227
12,827	3,0845e-006	40553	33,417
12,837	3,1597e-006	40778	33,607
12,847	3,158e-006	41003	33,797
12,857	3,0474e-006	41228	33,986
12,868	2,9505e-006	41454	34,176
12,878	2,8978e-006	41679	34,366
12,888	2,989e-006	41904	34,556
12,898	3,0824e-006	42130	34,745
12,908	3,2046e-006	42355	34,935
12,918	3,2989e-006	42580	35,125



	3,2374e-006	42806	35,315
12,938	3,074e-006	43031	35,504
12,948	2,9786e-006	43256	35,694
12,958	2,9672e-006	43481	35,884
12,968	3,0862e-006	43707	36,074
12,979	3,1883e-006	43932	36,264
12,989	3,2908e-006	44157	36,453
12,999	3,3165e-006	44383	36,643
13,	3,2161e-006	44411	36,667
13,01	3,0872e-006	44637	36,857
13,02	3,0593e-006	44862	37,047
13,03	3,1414e-006	45087	37,237
13,04	3,2279e-006	45313	37,426
13,05	3,2629e-006	45538	37,616
13,061	3,2712e-006	45763	37,806
13,071	3,265e-006	45988	37,996
13,081	3,2162e-006	46214	38,186
13,091	3,1909e-006	46439	38,375
13,101	3,2212e-006	46664	38,565
13,111	3,2912e-006	46890	38,755
13,121	3,2978e-006	47115	38,945
13,131	3,2607e-006	47340	39,134
13,141	3,2479e-006	47566	39,324
13,151	3,2697e-006	47791	39,514
13,161	3,2786e-006	48016	39,704
13,171	3,3191e-006	48241	39,894
13,182	3,3607e-006	48467	40,083
13,192	3,3737e-006	48692	40,273
13,202	3,3053e-006	48917	40,463
13,212	3,2607e-006	49143	40,653
13,222	3,2814e-006	49368	40,843
13,232	3,3325e-006	49593	41,032
13,242	3,3804e-006	49818	41,222
13,252	3,4082e-006	50044	41,412
13,262	3,4264e-006	50269	41,602
13,272	3,3923e-006	50494	41,792
13,282	3,3407e-006	50720	41,981
13,293	3,3384e-006	50945	42,171
13,303	3,3723e-006	51170	42,361
13,313	3,4163e-006	51395	42,551
13,323	3,4411e-006	51621	42,74
13,333	3,4432e-006	51846	42,93
13,343	3,4564e-006	52071	43,12
13,353	3,4285e-006	52297	43,31
13,363	3,4036e-006	52522	43,5
13,373	3,4319e-006	52747	43,689
13,383	3,4557e-006	52973	43,879
13,393	3,4677e-006	53198	44,069
13,404	3,4697e-006	53423	44,259
13,414	3,4704e-006	53648	44,449
13,424	3,5036e-006	53874	44,638
13,434	3,497e-006	54099	44,828
13,444	3,5076e-006	54324	45,018
13,454	3,5056e-006	54550	45,208
13,464	3,4997e-006	54775	45,398
13,474	3,4912e-006	55000	45,587
13,484	3,5023e-006	55226	45,777
13,494	3,5065e-006	55451	45,967
13,504	3,5453e-006	55676	46,157
13,515	3,5557e-006	55901	46,347
13,525	3,5519e-006	56127	46,537
13,535	3,5658e-006	56352	46,726
13,545	3,5468e-006	56577	46,916
13,555	3,5374e-006	56803	47,106
13,565	3,5547e-006	57028	47,296
13,575	3,564e-006	57253	47,486
13,585	3,5906e-006	57478	47,675
13,595	3,5898e-006	57704	47,865
13,605	3,6028e-006	57929	48,055
13,615	3,5983e-006	58154	48,245
13,625	3,5858e-006	58380	48,435
13,636	3,6005e-006	58605	48,624
13,646	3,6062e-006	58830	48,814
13,656	3,6082e-006	59056	49,004
13,666	3,6204e-006	59281	49,194
13,676	3,6114e-006	59506	49,384
13,686	3,6251e-006	59731	49,573
13,696	3,6315e-006	59957	49,763
13,706	3,6378e-006	60182	49,953
13,716	3,6436e-006	60407	50,143
13,726	3,6492e-006	60633	50,333
13,736	3,6545e-006	60858	50,522
13,747	3,6598e-006	61083	50,712
13,757	3,665e-006	61309	50,902
13,767	3,6702e-006	61534	51,092
13,777	3,6753e-006	61759	51,282
13,787	3,6805e-006	61984	51,472

	3,6854e-006	62210	51,661
13,807	3,6906e-006	62435	51,851
13,817	3,63e-006	62660	52,041
13,827	3,868e-006	62886	52,231
13,837	3,7944e-006	63111	52,421
13,847	3,5911e-006	63336	52,611
13,858	3,7705e-006	63562	52,8
13,868	3,7753e-006	63787	52,99
13,878	3,7181e-006	64012	53,18
13,888	3,7298e-006	64237	53,37
13,898	3,7073e-006	64463	53,56
13,908	3,7511e-006	64688	53,749
13,918	3,7038e-006	64913	53,939
13,928	3,7572e-006	65139	54,129
13,938	3,7686e-006	65364	54,319
13,948	3,7362e-006	65589	54,509
13,958	3,7591e-006	65815	54,699
13,968	3,7631e-006	66040	54,888
13,979	3,7833e-006	66265	55,078
13,989	3,7732e-006	66491	55,268
13,999	3,7797e-006	66716	55,458
14,	3,7802e-006	66744	55,482
14,01	3,7864e-006	66969	55,671
14,02	3,7918e-006	67195	55,861
14,03	3,7968e-006	67420	56,051
14,04	3,8018e-006	67645	56,241
14,05	3,8064e-006	67871	56,431
14,061	3,8109e-006	68096	56,621
14,071	3,8154e-006	68321	56,81
14,081	3,8198e-006	68546	57,
14,091	3,8242e-006	68772	57,19
14,101	3,8284e-006	68997	57,38
14,111	3,8326e-006	69222	57,57
14,121	3,8367e-006	69448	57,759
14,131	3,8408e-006	69673	57,949
14,141	3,845e-006	69898	58,139
14,151	3,8491e-006	70123	58,329
14,161	3,8533e-006	70349	58,519
14,172	3,8575e-006	70574	58,708
14,182	3,8616e-006	70799	58,898
14,192	3,8665e-006	71024	59,088
14,202	3,8712e-006	71250	59,278
14,212	3,8758e-006	71475	59,468
14,222	3,8807e-006	71700	59,657
14,232	3,8855e-006	71926	59,847
14,242	3,8903e-006	72151	60,037
14,252	3,8953e-006	72376	60,227
14,262	3,9e-006	72601	60,417
14,272	3,9045e-006	72827	60,606
14,282	3,9097e-006	73052	60,796
14,293	3,9134e-006	73277	60,986
14,303	3,9176e-006	73503	61,176
14,313	3,922e-006	73728	61,366
14,323	3,9256e-006	73953	61,555
14,333	3,9307e-006	74178	61,745
14,343	3,9357e-006	74404	61,935
14,353	3,9402e-006	74629	62,125
14,363	3,943e-006	74854	62,314
14,373	3,948e-006	75079	62,504
14,383	3,9518e-006	75304	62,694
14,393	3,958e-006	75530	62,884
14,404	3,9609e-006	75755	63,073
14,414	3,9659e-006	75980	63,263
14,424	3,9694e-006	76205	63,453
14,434	3,9736e-006	76431	63,643
14,444	3,9776e-006	76656	63,832
14,454	3,98e-006	76881	64,022
14,464	3,9858e-006	77106	64,212
14,474	3,9907e-006	77332	64,402
14,484	3,9951e-006	77557	64,591
14,494	3,9981e-006	77782	64,781
14,504	4,0034e-006	78007	64,971
14,514	4,0075e-006	78232	65,161
14,525	4,0121e-006	78458	65,351
14,535	4,0165e-006	78683	65,54
14,545	4,0214e-006	78908	65,73
14,555	4,025e-006	79133	65,92
14,565	4,0306e-006	79359	66,11
14,575	4,0334e-006	79584	66,299
14,585	4,038e-006	79809	66,489
14,595	4,0412e-006	80034	66,679
14,605	4,0465e-006	80260	66,869
14,615	4,0501e-006	80485	67,058
14,625	4,0535e-006	80710	67,248
14,635	4,0569e-006	80935	67,438
14,646	4,0605e-006	81161	67,628
14,656	4,0654e-006	81386	67,817

	4,0685e-006	81611	68,007
14,676	4,0732e-006	81836	68,197
14,686	4,0777e-006	82061	68,387
14,696	4,0807e-006	82287	68,576
14,706	4,0843e-006	82512	68,766
14,716	4,0884e-006	82737	68,956
14,726	4,0925e-006	82962	69,145
14,736	4,0954e-006	83187	69,335
14,746	4,0997e-006	83412	69,525
14,756	4,1042e-006	83637	69,714
14,767	4,107e-006	83863	69,904
14,777	4,1106e-006	84088	70,094
14,787	4,1147e-006	84313	70,283
14,797	4,1188e-006	84538	70,473
14,807	4,1207e-006	84763	70,663
14,817	4,124e-006	84988	70,852
14,827	4,1272e-006	85213	71,042
14,837	4,1317e-006	85438	71,231
14,847	4,1349e-006	85663	71,421
14,857	4,1393e-006	85888	71,611
14,867	4,1419e-006	86113	71,8
14,877	4,1446e-006	86338	71,99
14,887	4,1477e-006	86563	72,18
14,898	4,1511e-006	86789	72,369
14,908	4,1557e-006	87014	72,559
14,918	4,16e-006	87239	72,748
14,928	4,1624e-006	87464	72,938
14,938	4,1654e-006	87689	73,128
14,948	4,1692e-006	87914	73,317
14,958	4,1723e-006	88139	73,507
14,968	4,176e-006	88364	73,696
14,978	4,179e-006	88589	73,886
14,988	4,1826e-006	88814	74,076
14,998	4,1862e-006	89039	74,265
15,		89076	74,297

FIGURE 38

Model (C4) &gt; Explicit Dynamics (C5) &gt; Solution (C6) &gt; Directional Deformation PIEL X

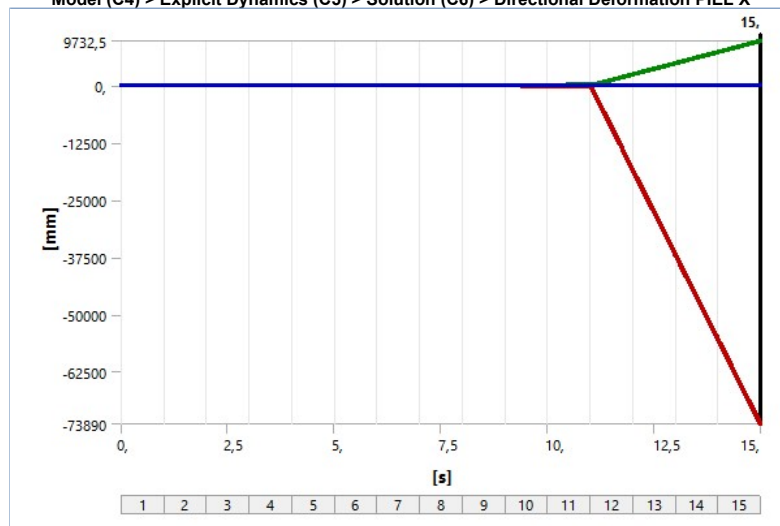


TABLE 31

Model (C4) &gt; Explicit Dynamics (C5) &gt; Solution (C6) &gt; Directional Deformation PIEL X

Time [s]	Minimum [mm]	Maximum [mm]	Average [mm]
1,1755e-038	0,	0,	0,
1,0443e-002	-5,4874e-003	5,3378e-003	-1,5204e-006
2,0904e-002	-1,2703e-002	1,2412e-002	-3,3928e-006
3,1366e-002	-1,9291e-002	1,9156e-002	-4,7995e-006
4,1827e-002	-2,5333e-002	2,601e-002	-5,132e-006
5,2289e-002	-3,2103e-002	3,2838e-002	-6,234e-006
6,275e-002	-3,8834e-002	3,9611e-002	-7,6173e-006
7,3211e-002	-4,554e-002	4,6342e-002	-8,2045e-006
8,3672e-002	-5,2218e-002	5,3036e-002	-9,1543e-006
9,4132e-002	-5,8868e-002	5,9693e-002	-8,7975e-006
0,10459	-6,5488e-002	6,6319e-002	-8,1586e-006
0,11505	-7,2094e-002	7,292e-002	-7,604e-006
0,12551	-7,8675e-002	7,9512e-002	-6,4544e-006
0,13597	-8,5252e-002	8,6108e-002	-4,7491e-006
0,14643	-9,1839e-002	9,2717e-002	-1,4605e-006
0,15689	-9,8433e-002	9,9349e-002	2,1753e-006
0,16735	-0,10504	0,10603	8,0621e-006
0,17781	-0,11168	0,11276	1,6299e-005
0,18826	-0,11835	0,11956	2,836e-005
0,19872	-0,12504	0,12644	4,5515e-005
0,20918	-0,13177	0,13343	6,9724e-005
0,21963	-0,13852	0,14055	1,04e-004

0,23009	-0,14526	0,1478	1,5453e-004
0,24054	-0,15194	0,15522	2,3056e-004
0,25099	-0,15846	0,16281	3,4789e-004
0,26145	-0,16452	0,17053	5,3704e-004
0,2719	-0,1695	0,1827	8,5699e-004
0,28235	-0,17153	0,19905	1,4368e-003
0,2928	-0,16428	0,23514	2,5822e-003
0,30326	-0,11811	0,41263	5,1308e-003
0,31371	-0,25369	1,1365	1,0297e-002
0,32417	-0,52064	1,2925	8,5487e-003
0,33464	-0,60226	1,3076	5,6782e-003
0,3451	-0,63663	1,3116	4,6604e-003
0,35556	-0,63844	1,3053	6,0329e-003
0,36602	-0,64449	1,3085	6,9428e-003
0,37648	-0,66255	1,3091	6,1056e-003
0,38694	-0,682	1,3136	4,8992e-003
0,3974	-0,68873	1,3123	5,11e-003
0,40786	-0,69595	1,3119	6,0256e-003
0,41832	-0,71007	1,3114	6,0598e-003
0,42878	-0,72323	1,3139	5,3718e-003
0,43924	-0,73172	1,316	5,1875e-003
0,4497	-0,73984	1,3178	5,4824e-003
0,46016	-0,74891	1,3193	5,4859e-003
0,47062	-0,7611	1,3201	5,4275e-003
0,48108	-0,77069	1,3205	5,4778e-003
0,49154	-0,7761	1,321	5,449e-003
0,502	-0,78368	1,3212	5,2314e-003
0,51246	-0,79389	1,3215	5,0775e-003
0,52292	-0,80229	1,3216	5,4058e-003
0,53337	-0,80749	1,3218	5,6643e-003
0,54383	-0,81417	1,3219	5,3966e-003
0,55429	-0,82284		4,9622e-003
0,56475	-0,83069		4,9301e-003
0,57521	-0,83731		5,5196e-003
0,58567	-0,84209	1,3223	5,7627e-003
0,59613	-0,84815	1,3229	5,1848e-003
0,60658	-0,85667	1,3235	4,8346e-003
0,61704	-0,86207	1,324	5,2272e-003
0,6275	-0,86628	1,3245	5,7555e-003
0,63796	-0,87203	1,3248	5,7005e-003
0,64842	-0,87503	1,3246	5,3224e-003
0,65887	-0,87662	1,3244	5,374e-003
0,66933	-0,87673	1,3242	5,9096e-003
0,67979	-0,87723	1,324	6,3545e-003
0,69025	-0,87892	1,3239	6,2796e-003
0,70071	-0,87985	1,3237	6,0585e-003
0,71117	-0,88	1,3235	6,3573e-003
0,72162	-0,87725	1,3168	6,8139e-003
0,73208	-0,87748	1,3167	6,9012e-003
0,74254	-0,87831	1,3165	6,9461e-003
0,753	-0,87736		7,0797e-003
0,76346	-0,87646	1,3164	7,0914e-003
0,77392	-0,87592		7,2162e-003
0,78438	-0,87437		7,4727e-003
0,79484	-0,8724	1,3163	7,5374e-003
0,80529	-0,87032	1,3364	6,9645e-003
0,81575	-0,86872		7,1495e-003
0,82621	-0,86698	1,3362	7,5558e-003
0,83667	-0,86617	1,3361	7,6166e-003
0,84713	-0,86528	1,336	7,4524e-003
0,85759	-0,86386	1,3359	7,2863e-003
0,86805	-0,86174	1,3357	7,3822e-003
0,8785	-0,8614	1,3356	7,7045e-003
0,88896	-0,85976	1,3355	7,8167e-003
0,89942	-0,85854	1,3353	7,5938e-003
0,90988	-0,85772	1,3352	7,4711e-003
0,92033	-0,85605	1,3351	7,5894e-003
0,93079	-0,85531	1,3349	7,7556e-003
0,94124	-0,85471	1,3348	7,8804e-003
0,9517	-0,8534	1,3347	7,7618e-003
0,96216	-0,85252	1,3345	7,5558e-003
0,97261	-0,85225	1,3344	7,6124e-003
0,98307	-0,85131	1,3343	7,8642e-003
0,99352	-0,85096	1,3342	7,9009e-003
1,	-0,85072	1,3341	7,8302e-003
1,0105	-0,85022	1,334	7,8821e-003
1,0209	-0,84982		7,7684e-003
1,0314	-0,84934	1,3339	7,6526e-003
1,0418	-0,84898		7,6501e-003
1,0523	-0,84877	1,3338	7,8183e-003
1,0627	-0,84844		7,9128e-003
1,0732	-0,85414	1,3337	7,7643e-003
1,0836	-0,86204		7,6119e-003
1,0941	-0,86921		7,6605e-003
1,1045	-0,87683	1,3336	7,8171e-003
1,115	-0,88478		7,8385e-003
1,1255	-0,89264		7,7537e-003

1,1359	-0,90077	1,3335	7,6141e-003
1,1464	-0,90956		7,5831e-003
1,1568	-0,91774	1,3334	7,7052e-003
1,1673	-0,92599		7,7479e-003
1,1777	-0,93507		7,5961e-003
1,1882	-0,94414	1,3333	7,4754e-003
1,1986	-0,95292		7,5027e-003
1,2091	-0,96226	1,3332	7,5698e-003
1,2195	-0,97167	1,3331	7,5727e-003
1,23	-0,98009		7,3984e-003
1,2404	-0,98808	1,3269	7,3456e-003
1,2509	-0,99749	1,327	7,383e-003
1,2613	-1,0071		7,4209e-003
1,2718	-1,0171	1,3271	7,3855e-003
1,2823	-1,0275		7,2989e-003
1,2927	-1,0379	1,3272	7,2345e-003
1,3032	-1,0488		7,2288e-003
1,3136	-1,0599		7,2619e-003
1,3241	-1,071		7,2648e-003
1,3345	-1,0821	1,3273	7,1644e-003
1,345	-1,0942		7,0474e-003
1,3554	-1,1058	1,3266	7,0767e-003
1,3659	-1,1202	1,3185	7,0311e-003
1,3763	-1,1259	1,3186	7,2767e-003
1,3868	-1,1307	1,3187	7,3779e-003
1,3972	-1,1349	1,3188	7,8057e-003
1,4077	-1,1398	1,3176	8,1703e-003
1,4181	-1,1444	1,3184	8,3997e-003
1,4286	-1,1482	1,3181	8,8449e-003
1,439	-1,1088	1,3442	1,0265e-002
1,4495	-1,1124	1,3437	9,5012e-003
1,4599	-1,1199	1,3433	9,5394e-003
1,4704	-1,1249	1,343	1,0241e-002
1,4808	-1,1341		1,053e-002
1,4913	-1,1442	1,3439	1,0156e-002
1,5017	-1,1484		1,0373e-002
1,5122	-1,1512	1,3442	1,0987e-002
1,5226	-1,1536	1,3472	1,1534e-002
1,5331	-1,1565	1,3508	1,1823e-002
1,5435	-1,1612	1,3542	1,2026e-002
1,554	-1,1646	1,3581	1,2554e-002
1,5644	-1,1659	1,3621	1,2915e-002
1,5749	-1,1694	1,3644	1,3177e-002
1,5853	-1,1728	1,3671	1,3761e-002
1,5958	-1,1753	1,3702	1,4077e-002
1,6062	-1,178	1,3728	1,4256e-002
1,6167	-1,1788	1,3775	1,4963e-002
1,6271	-1,181	1,381	1,5416e-002
1,6376	-1,1873	1,3822	1,5458e-002
1,648	-1,1931	1,3848	1,5876e-002
1,6585	-1,1944	1,3877	1,6325e-002
1,669	-1,1958	1,3893	1,6609e-002
1,6794	-1,198	1,3906	1,704e-002
1,6899	-1,199	1,3926	1,7594e-002
1,7003	-1,1989	1,3942	1,7972e-002
1,7108	-1,0785	1,4009	1,8653e-002
1,7212	-1,055	1,4068	2,1938e-002
1,7317	-1,0479	1,4071	2,2096e-002
1,7421	-1,0518	1,4038	2,1206e-002
1,7526	-1,05	1,4067	2,1618e-002
1,763	-1,0401	1,4108	2,2823e-002
1,7735	-1,0266	1,4156	2,3591e-002
1,7839	-1,02	1,4135	2,4095e-002
1,7944	-1,0195	1,4126	2,4005e-002
1,8048	-1,02	1,4136	2,4402e-002
1,8153	-1,0112	1,4159	2,5214e-002
1,8257	-1,0058	1,4151	2,5707e-002
1,8362	-1,0017	1,4158	2,62e-002
1,8466	-1,0103	1,4176	2,6959e-002
1,8571	-1,0248	1,4178	2,7012e-002
1,8675	-1,0466	1,4153	2,7132e-002
1,878	-1,0699	1,414	2,7373e-002
1,8885	-1,0939	1,4139	2,7587e-002
1,8989	-1,1175	1,4121	2,7765e-002
1,9094	-1,1436	1,4104	2,7816e-002
1,9198	-1,1672	1,4084	
1,9303	-1,1899	1,4058	2,776e-002
1,9407	-1,212	1,4061	2,8162e-002
1,9512	-1,234	1,4092	2,8426e-002
1,9616	-1,2541	1,4141	2,8359e-002
1,9721	-1,2738	1,4204	2,8387e-002
1,9825	-1,2913	1,4277	2,8463e-002
1,993	-1,3076	1,4337	2,8601e-002
2,	-1,3189	1,4384	2,8619e-002
2,0105	-1,3334	1,4504	2,8348e-002
2,0209	-1,3484	1,4668	2,8245e-002
2,0313	-1,2821	1,3508	1,9683e-002

2,0417	-1,2509	1,333	3,2395e-003
2,0521	-1,3567	1,3518	2,6274e-003
2,0625	-1,4	1,4094	2,5322e-003
2,0729	-1,3764	1,4923	-1,0587e-003
2,0833	-1,4123	1,4741	1,5901e-003
2,0937	-1,4153	1,4708	-1,0266e-002
2,1041	-1,4229	1,4533	-1,8291e-002
2,1145	-1,4163	1,4809	-1,108e-002
2,1249	-1,3999	1,4802	-6,0623e-003
2,1353	-1,3691	1,4754	-1,0192e-002
2,1457	-1,3425	1,5019	-1,1421e-002
2,1562	-1,3891	1,4395	-8,6605e-003
2,1666	-1,3797	1,4274	-1,1158e-002
2,177	-1,3698	1,3922	-1,3464e-002
2,1874	-1,3256	1,4249	-9,2561e-003
2,1978	-1,3293	1,4032	-6,8123e-003
2,2082	-1,3257	1,368	-1,3309e-002
2,2186	-1,3243	1,3349	-1,5882e-002
2,229	-1,3284	1,3421	-1,1502e-002
2,2394	-1,323	1,3257	-8,0633e-003
2,2499	-1,3251	1,3215	-1,2748e-002
2,2603	-1,327	1,3185	-1,9926e-002
2,2707	-1,3221	1,3176	-1,5467e-002
2,2811	-1,3163	1,3167	-8,3923e-003
2,2915	-1,3189	1,3119	-1,3289e-002
2,3019	-1,322	1,3074	-1,9966e-002
2,3123	-1,3141	1,3062	-1,5726e-002
2,3227	-1,3083	1,304	-1,255e-002
2,3331	-1,3085	1,3004	-1,5541e-002
2,3435	-1,3048	1,2976	-1,5446e-002
2,3539	-1,2983	1,2952	-1,2701e-002
2,3643	-1,2955	1,2918	-1,5751e-002
2,3747	-1,2954	1,2872	-1,9207e-002
2,3851	-1,2887	1,2845	-1,4408e-002
2,3955	-1,2834	1,2817	-1,1225e-002
2,4059	-1,2822	1,2765	-1,5108e-002
2,4163	-1,2782	1,2724	-1,8756e-002
2,4267	-1,2741	1,2685	-1,7646e-002
2,4371	-1,2686	1,265	-1,32e-002
2,4475	-1,2645	1,2607	-1,2381e-002
2,4579	-1,2598	1,2569	-1,5203e-002
2,4684	-1,2563	1,2527	-1,8279e-002
2,4788	-1,2557	1,2464	-1,4777e-002
2,4892	-1,2998	1,2437	-1,1591e-002
2,4996	-1,3488	1,2385	-1,4554e-002
2,51	-1,3977	1,2345	-1,5647e-002
2,5204	-1,434	1,2301	-1,3903e-002
2,5308	-1,4369	1,2254	-1,5136e-002
2,5412	-1,4399	1,2208	-1,5778e-002
2,5516	-1,4429	1,2165	-1,2947e-002
2,562	-1,4459	1,2118	-1,2138e-002
2,5724	-1,4489	1,207	-1,5614e-002
2,5828	-1,4518	1,2019	-1,7002e-002
2,5932	-1,478	1,1981	-1,3763e-002
2,6036	-1,5415	1,1935	-1,1607e-002
2,614	-1,605	1,1885	-1,3276e-002
2,6244	-1,6684	1,1838	-1,587e-002
2,6348	-1,7319	1,1792	
2,6452	-1,7954	1,1753	-1,3044e-002
2,6556	-1,8588	1,1702	-1,1869e-002
2,666	-1,9223	1,1658	-1,3616e-002
2,6764	-1,9858	1,1612	-1,4594e-002
2,6868	-2,0492	1,1574	-1,3616e-002
2,6972	-2,1127	1,1529	-1,3313e-002
2,7076	-2,1761	1,1477	-1,3288e-002
2,718	-2,2396	1,1436	-1,1953e-002
2,7284	-2,3031	1,1396	-1,2564e-002
2,7388	-2,3665	1,1347	-1,4665e-002
2,7492	-2,4299	1,1302	-1,3833e-002
2,7596	-2,4934	1,1264	-8,1143e-003
2,77	-2,5568	1,1249	-8,6497e-003
2,7804	-2,6203	1,1217	-1,3593e-002
2,7908	-2,6837	1,1129	-1,3404e-002
2,8012	-2,7472	1,1097	-9,8356e-003
2,8116	-2,8026	1,1064	-9,0412e-003
2,822	-2,8549	1,1006	-1,0328e-002
2,8324	-2,9057	1,0978	-1,1519e-002
2,8428	-2,9437	1,0954	-1,1415e-002
2,8532	-2,9817	1,0911	-1,0238e-002
2,8636	-3,0076	1,0855	-9,8591e-003
2,874	-3,0281	1,0846	-6,7927e-003
2,8844	-3,0486	1,0833	-4,4324e-003
2,8948	-3,0691	1,0787	-8,0403e-003
2,9052	-3,0837	1,0759	-1,061e-002
2,9156	-3,0968	1,0718	-7,5466e-003
2,926	-3,1099	1,0694	-4,8578e-003
2,9364	-3,123	1,066	-6,339e-003

2,9468	-3,1361	1,0622	-1,7504e-003
2,9572	-3,1492	1,0918	6,1076e-003
2,9676	-3,1559	1,0758	6,8835e-003
2,978	-3,1395	1,0525	-1,4332e-003
2,9884	-2,9434	1,043	-6,0324e-003
2,9987	-2,6945	1,042	-2,6872e-003
3,	-2,6606	1,0453	1,8403e-003
3,0104	-2,3431	1,0476	4,6109e-003
3,0208	-2,015	1,0375	3,7976e-003
3,0312	-1,6547	1,0371	-2,4689e-003
3,0416	-1,2702	1,0306	-4,829e-003
3,052	-1,0273	1,0312	1,694e-004
3,0624	-1,0208		3,8174e-003
3,0728	-1,0247	1,0173	5,4553e-003
3,0832	-1,0216	1,014	-7,4078e-004
3,0936	-1,018	1,0124	-5,2711e-003
3,104	-1,0086	1,392	-9,2949e-005
3,1145	-1,0058	1,8996	4,3868e-003
3,1249	-1,0045	2,4315	4,2195e-003
3,1353	-1,0075	2,9656	2,1171e-005
3,1457	-0,99914	3,4995	-3,5925e-003
3,1561	-0,99142	4,0372	1,8028e-004
3,1665	-0,98653	4,5839	4,5432e-003
3,1769	-0,98789	5,1302	4,1139e-003
3,1873	-0,98761	5,6761	2,3345e-003
3,1977	-0,98186	6,2224	-9,8439e-005
3,2081	-0,97938	6,7686	3,7376e-004
3,2185	-0,97594	7,3146	2,6001e-003
3,2289	-0,97657	7,8605	4,0052e-003
3,2393	-0,96883	8,4062	4,6052e-003
3,2497	-0,9661	8,9525	2,5138e-003
3,2601	-0,96331	9,4984	-2,0525e-004
3,2705	-0,96397	10,044	1,0015e-003
3,2809	-0,95956	10,589	5,0308e-003
3,2913	-0,95381	11,135	6,629e-003
3,3017	-0,95142	11,681	3,8217e-003
3,3121	-0,95065	12,226	-3,2599e-004
3,3225	-0,94995	12,782	5,0482e-004
3,3329	-0,94372	13,337	6,0409e-003
3,3433	-0,94018	13,893	8,3228e-003
3,3536	-0,93845	14,449	4,5509e-003
3,364	-0,93782	14,998	-1,4874e-005
3,3744	-0,93418	15,534	7,9405e-004
3,3848	-0,93026	16,069	6,768e-003
3,3952	-0,92691	16,604	9,1098e-003
3,4056	-0,92594	17,132	4,8739e-003
3,4159	-0,92396	17,644	3,0101e-003
3,4263	-0,91572	18,156	4,9416e-003
3,4367	-0,91616	18,676	7,3263e-003
3,4471	-0,91476	19,295	6,6078e-003
3,4575	-0,91149	19,914	4,0752e-003
3,4679	-0,90592	20,508	5,4239e-003
3,4783	-0,9072	21,102	7,8777e-003
3,4887	-0,90539	21,695	6,3656e-003
3,4991	-0,90435	22,288	3,86e-003
3,5095	-0,90031	22,882	5,1724e-003
3,5199	-0,89443	23,476	7,9001e-003
3,5303	-0,89288	24,07	7,0018e-003
3,5406	-0,89345	24,663	2,7456e-003
3,551	-0,88416	25,256	4,3343e-003
3,5614	-0,88524	25,849	8,3788e-003
3,5718	-0,88527	26,443	6,4839e-003
3,5822	-0,88571	27,036	1,6787e-003
3,5926	-0,88459	27,623	3,3027e-003
3,603	-0,877	28,199	7,8906e-003
3,6134	-0,87405	28,775	7,3486e-003
3,6237	-0,87677	29,351	2,9302e-003
3,6341	-0,87473	29,927	1,9508e-003
3,6445	-0,86794	30,253	5,9683e-003
3,6549	-0,8666	30,064	7,2109e-003
3,6653	-0,86496	29,876	3,5425e-003
3,6756	-0,86341	29,687	1,7702e-003
3,686	-0,8601	29,49	3,4698e-003
3,6964	-0,85622	29,291	5,0492e-003
3,7068	-0,85503	29,093	4,3412e-003
3,7171	-0,85374	28,894	2,5705e-003
3,7275	-0,84975	28,695	2,2468e-003
3,7379	-0,84724	28,496	2,7798e-003
3,7482	-0,8458	28,297	2,7644e-003
3,7586	-0,84376	28,099	2,6787e-003
3,769	-0,84123	27,9	2,6204e-003
3,7793	-0,83753	27,701	2,2412e-003
3,7897	-0,83895	27,502	3,7468e-003
3,8001	-0,83328	27,303	3,732e-003
3,8105	-0,83218	27,104	2,3565e-003
3,8209	-0,82728	26,905	1,7522e-003
3,8313	-0,82636	26,706	1,7746e-003

3,8416	-0,82266	26,507	2,3503e-003
3,852	-0,82271	26,308	2,3339e-003
3,8624	-0,81956	26,109	7,9404e-004
3,8728	-0,82384	25,91	1,0204e-005
3,8831	-0,81813	25,711	8,849e-004
3,8935	-0,8125	25,512	1,0157e-003
3,9039	-0,81176	25,313	4,7915e-004
3,9143	-0,80892	25,115	5,1299e-004
3,9246	-0,80949	24,916	5,5176e-004
3,935	-0,80528	24,717	1,0386e-003
3,9454	-0,80425	24,518	4,2277e-004
3,9558	-0,80217	24,319	-7,0275e-004
3,9661	-0,80186	24,12	1,3988e-005
3,9765	-0,79935	23,922	1,3535e-003
3,9869	-0,79587	23,723	1,4747e-003
3,9973	-0,79398	23,524	1,1651e-004
4,	-0,79451	23,471	-7,7941e-004
4,0104	-0,79237	23,272	9,0683e-004
4,0207	-0,78976	23,074	1,8618e-003
4,0311	-0,78735	22,875	6,854e-004
4,0415	-0,78536	22,676	-8,9338e-004
4,0518	-0,78636	22,478	-7,4595e-004
4,0622	-0,7827	22,279	9,7516e-004
4,0726	-0,78043	22,08	2,0296e-003
4,0829	-0,77783	21,882	8,86e-004
4,0933	-0,7772	21,683	-6,9026e-004
4,1036	-0,77582	21,485	-7,1384e-005
4,1139	-0,77264	21,289	1,333e-003
4,1242	-0,7697	21,09	2,1247e-003
4,1346	-0,7687	20,892	1,5744e-003
4,1447	-0,7675	20,697	7,3544e-004
4,1551	-0,76644	20,499	7,1757e-004
4,1654	-0,76323	20,3	1,4366e-003
4,1758	-0,7605	20,102	2,1696e-003
4,186	-0,7597	19,906	1,73e-003
4,1962	-0,75837	19,711	1,2691e-003
4,2065	-0,75582	19,513	1,9523e-003
4,2168	-0,74934	19,315	3,2544e-003
4,2272	-0,75061	19,116	3,0914e-003
4,2375	-0,74988	18,918	2,1582e-003
4,2479	-0,74887	18,72	1,9432e-003
4,2582	-0,74482	18,522	2,5516e-003
4,2681	-0,74357	18,332	8,0501e-003
4,2785	-0,76241	18,134	1,0304e-002
4,2888	-0,74664	17,936	5,5631e-003
4,2991	-0,75843	17,737	1,6792e-003
4,3094	-0,73598	17,54	5,6967e-003
4,3198	-0,73203	17,341	9,7989e-003
4,3301	-0,72851	17,143	4,4734e-003
4,3405	-0,73092	16,945	6,2918e-004
4,3508	-0,72441	16,747	4,4835e-003
4,3612	-0,72273	16,548	7,5906e-003
4,3715	-0,72099	16,349	4,4325e-003
4,3819	-0,73373	16,151	1,0084e-003
4,3922	-0,72043	15,953	4,1181e-003
4,4026	-0,71337	15,754	7,9436e-003
4,4129	-0,71904	15,556	2,3182e-003
4,4233	-0,71515	15,358	-1,9762e-003
4,4336	-0,71656	15,159	2,1142e-003
4,444	-0,70739	14,961	7,3424e-003
4,4543	-0,70564	14,763	5,5534e-003
4,4647	-0,70571	14,564	-4,8548e-004
4,475	-0,70504	14,366	-1,2837e-003
4,4853	-0,70045	14,168	3,2741e-003
4,4957	-0,70089	13,97	5,1691e-003
4,506	-0,69975	13,772	2,2372e-003
4,5164	-0,69852	13,574	-8,3461e-005
4,5267	-0,69505	13,375	4,6073e-004
4,537	-0,69172	13,177	1,9586e-003
4,5474	-0,69163	12,979	1,7946e-003
4,5577	-0,69136	12,781	1,0788e-003
4,568	-0,68767	12,583	1,0266e-003
4,5784	-0,68448	12,385	3,6019e-004
4,5887	-0,68039	12,186	2,1295e-003
4,5991	-0,67974	11,987	3,9586e-003
4,6095	-0,67885	11,788	2,e-003
4,6198	-0,67724	11,59	-6,2306e-004
4,6302	-0,67789	11,391	8,7736e-004
4,6405	-0,67293	11,193	3,2091e-003
4,6509	-0,6703	10,994	5,2362e-003
4,6613	-0,66604	10,795	2,4904e-003
4,6716	-0,66969	10,597	1,3182e-003
4,682	-0,66867	10,399	4,6667e-003
4,6923	-0,67133	10,201	7,0229e-003
4,7027	-0,66439	10,002	5,714e-003
4,713	-0,66026	9,8032	6,1561e-003
4,7234	-0,67655	9,6054	6,2265e-003



	-0,66022	9,4074	5,6895e-003
4,744	-0,66964	9,209	-9,0019e-004
4,7544	-0,65952	9,0105	1,3744e-003
4,7647	-0,65669	8,8121	8,8322e-003
4,7751	-0,65916	8,6139	3,8886e-003
4,7854	-0,65391	8,4156	-2,8675e-003
4,7958	-0,65234	8,2171	2,3963e-003
4,8061	-0,64908	8,0188	9,3621e-003
4,8165	-0,65111	7,8206	6,3142e-003
4,8268	-0,64971	7,6221	-1,5318e-003
4,8372	-0,64604	7,4237	-4,003e-005
4,8475	-0,64551	7,2255	8,7119e-003
4,8579	-0,64199	7,0274	8,4437e-003
4,8682	-0,63937	6,8291	5,1923e-004
4,8785	-0,64399	6,6308	2,9899e-004
4,8889	-0,63663	6,4325	6,4018e-003
4,8992	-0,63625	6,2344	8,3647e-003
4,9096	-0,63384	6,0364	5,8326e-003
4,9199	-0,63445	5,8382	2,2044e-003
4,9302	-0,63263	5,6401	3,9612e-003
4,9406	-0,63041	5,4419	8,515e-003
4,9509	-0,63458	5,2437	7,831e-003
4,9612	-0,62836	5,0455	7,0416e-003
4,9716	-0,62563	4,8474	4,6688e-003
4,9819	-0,62116	4,649	6,1862e-003
4,9923	-0,62317	4,4508	1,0055e-002
5,	-0,63221	4,3024	8,1175e-003
5,0104	-0,62381	4,1041	1,0974e-002
5,0207	-0,61937	3,9059	7,9187e-003
5,031	-0,62055	3,7075	4,2273e-003
5,0414	-0,62015	3,5093	4,8245e-003
5,0517	-0,61467	3,311	6,4261e-003
5,0621	-0,61973	3,1128	6,6706e-003
5,0724	-0,61173	2,9145	5,2197e-003
5,0828	-0,61134	2,7163	3,7891e-003
5,0931	-0,61166	2,5182	5,6835e-003
5,1034	-0,611	2,3199	2,8011e-003
5,1138	-0,61751	2,1217	4,6947e-003
5,1241	-0,61015	1,9235	8,1285e-003
5,1344	-0,60835	1,7254	7,7891e-003
5,1448	-0,60407	1,5273	4,2883e-003
5,1551	-0,60574	1,3291	1,7644e-003
5,1655	-0,60155	1,131	3,6416e-003
5,1758	-0,60209	0,93286	7,5316e-003
5,1861	-0,60049	0,74754	7,6272e-003
5,1965	-0,59921	0,74416	3,8813e-003
5,2068	-0,59747	0,7379	1,5421e-003
5,2171	-0,59701	0,73335	3,7339e-003
5,2275	-0,59549	0,7533	6,6538e-003
5,2378	-0,59375	0,75672	6,637e-003
5,2481	-0,59413	0,74348	3,791e-003
5,2584	-0,65131	0,74078	2,071e-003
5,2688	-0,84928	0,74442	3,3216e-003
5,2791	-1,0472	0,75158	5,157e-003
5,2894	-1,2452	0,75424	5,3911e-003
5,2997	-1,4431	0,74786	3,2988e-003
5,3101	-1,6408	0,74462	2,6639e-003
5,3204	-1,8391	0,68637	1,3783e-003
5,3308	-2,0377	0,76049	5,6816e-003
5,3411	-2,2363	0,71668	8,2973e-003
5,3515	-2,4351	0,70187	6,8552e-003
5,3618	-2,6333	0,70086	4,7482e-003
5,3722	-2,8316	0,70664	4,8338e-003
5,3825	-3,0304	0,7384	6,4566e-003
5,3929	-3,229	0,77853	6,755e-003
5,4033	-3,4274	0,74935	9,6178e-003
5,4136	-3,6255	0,7478	7,8246e-003
5,4239	-3,8238	0,76655	4,7624e-003
5,4343	-4,0224	0,76716	4,251e-003
5,4447	-4,2209	0,78859	7,5954e-003
5,455	-4,4191	0,77513	9,9131e-003
5,4653	-4,6172	0,7392	2,8762e-003
5,4757	-4,8154	0,7587	2,5542e-003
5,486	-5,0138	0,78082	7,3622e-003
5,4964	-5,212	0,77046	7,8847e-003
5,5067	-5,41	0,74919	2,5812e-003
5,517	-5,6081	0,77061	1,1902e-003
5,5274	-5,8062	0,80747	8,022e-003
5,5377	-6,0042	0,80672	1,2424e-002
5,548	-6,2021	0,78012	7,2086e-003
5,5583	-6,4001	0,78538	2,1408e-003
5,5687	-6,598	0,81741	4,5994e-003
5,579	-6,7959	0,83337	1,068e-002
5,5893	-6,9936	0,82905	1,0235e-002
5,5996	-7,1914	0,81845	5,6464e-003
5,6099	-7,3892	0,82454	3,8454e-003
5,6203	-7,587	0,85161	5,6049e-003

	-7,7848	0,85311	8,7144e-003
5,6409	-7,9826	0,87819	1,0531e-002
5,6512	-8,1802	0,89109	1,0094e-002
5,6615	-8,378	0,8963	6,9538e-003
5,6718	-8,5758	0,90438	5,212e-003
5,6822	-8,7735	0,90647	8,409e-003
5,6925	-8,9712	0,92079	1,1948e-002
5,7028	-9,1689	0,94795	1,077e-002
5,7131	-9,3666	0,9561	7,9023e-003
5,7234	-9,5643	0,73181	8,0785e-004
5,7337	-9,7624	0,76836	-1,1265e-003
5,7441	-9,9603	0,80856	5,3634e-003
5,7544	-10,158	0,80496	8,3361e-003
5,7647	-10,357	0,79414	4,2886e-003
5,7751	-10,555	0,76437	-1,4891e-003
5,7854	-10,753	0,76766	-7,1899e-004
5,7957	-10,951	0,80016	2,9449e-003
5,8061	-11,149	0,78371	3,9238e-003
5,8164	-11,347	0,76799	-8,447e-004
5,8268	-11,545	0,76557	-1,8676e-003
5,8371	-11,743	0,78955	2,2423e-003
5,8474	-11,941	0,79939	3,6438e-004
5,8577	-12,139	0,78986	-7,2011e-003
5,8681	-12,337	0,77267	-7,7522e-003
5,8784	-12,536	0,79587	7,8198e-004
5,8887	-12,733	0,80315	-3,9839e-003
5,899	-12,931	0,78757	-1,3453e-002
5,9093	-13,129	0,76362	-1,8796e-002
5,9197	-13,326	0,79601	-1,0165e-002
5,93	-13,524	0,80033	-1,1139e-003
5,9401	-13,718	0,80627	-5,9355e-003
5,9504	-13,916	0,65505	-2,355e-002
5,9607	-14,114	0,69404	-2,0725e-002
5,9711	-14,311	0,74322	8,2224e-003
5,9814	-14,51	0,77913	1,971e-002
5,9917	-14,707	0,70097	-1,5232e-002
6,	-14,866	0,7018	-7,5579e-003
6,0103	-15,064	0,63168	-4,0488e-002
6,0207	-15,263	0,70449	-2,3673e-002
6,031	-15,461	0,79862	1,4358e-002
6,0414	-15,659	0,76062	1,5903e-002
6,0517	-15,857	0,72651	-2,4143e-002
6,062	-16,055	0,69106	-4,1584e-002
6,0724	-16,253	0,74666	-1,1177e-002
6,0827	-16,451	0,81048	1,5376e-002
6,093	-16,65	0,78239	1,0315e-003
6,1034	-16,848	0,73909	-3,2189e-002
6,1137	-17,046	0,74112	-3,2568e-002
6,124	-17,244	0,77742	-4,1125e-003
6,1344	-17,442	0,81467	7,5831e-003
6,1447	-17,64	0,79835	-1,0583e-002
6,155	-17,838	0,7766	-3,1908e-002
6,1653	-18,036	0,78066	-2,5264e-002
6,1757	-18,234	0,80577	-2,6162e-003
6,186	-18,432	0,84817	1,4218e-003
6,1963	-18,63	0,82248	-1,8068e-002
6,2067	-18,828	0,79906	-3,2587e-002
6,217	-19,025	0,81953	-2,1127e-002
6,2273	-19,223	0,86366	-1,2718e-003
6,2376	-19,421	0,88038	-2,688e-003
6,248	-19,619	0,86602	-2,2821e-002
6,2583	-19,817	0,8337	-3,1003e-002
6,2686	-20,015	0,86205	-1,6219e-002
6,2789	-20,213	0,91195	-3,792e-003
6,2892	-20,41	0,88756	-1,0588e-002
6,2996	-20,609	0,85285	-2,3699e-002
6,3099	-20,807	0,8436	-2,3721e-002
6,3202	-21,004	0,8766	-1,2861e-002
6,3305	-21,202	0,89288	-1,0324e-002
6,3409	-21,4	0,88355	-1,8861e-002
6,3512	-21,598	0,87097	-2,2925e-002
6,3615	-21,796	0,88437	-1,7886e-002
6,3719	-21,994	0,90358	-1,5097e-002
6,3822	-22,192	0,90139	-1,9661e-002
6,3925	-22,39	0,89359	-2,1599e-002
6,4028	-22,588	0,85969	-2,4428e-002
6,4132	-22,786	0,95845	-2,5294e-002
6,4235	-22,984	0,91971	-2,6445e-002
6,4338	-23,182	0,92701	-2,732e-002
6,4441	-23,38	0,95759	-2,6647e-002
6,4545	-23,577	0,94911	-2,4995e-002
6,4648	-23,775	0,93229	-2,6374e-002
6,4751	-23,973	0,96906	-2,8813e-002
6,4854	-24,171	0,98043	-2,2816e-002
6,4957	-24,369	0,9699	-2,2456e-002
6,5061	-24,567	0,96467	-2,6529e-002
6,5164	-24,764	0,98933	-2,9912e-002

	-24,962	1,0112	-2,6443e-002
6,537	-25,16	1,0302	-2,1287e-002
6,5473	-25,358	1,0505	-2,2974e-002
6,5576	-25,556	1,0612	-2,8017e-002
6,568	-25,753	1,0708	-2,7896e-002
6,5783	-25,951	1,0838	-2,4106e-002
6,5886	-26,149	1,1099	-2,4014e-002
6,5989	-26,346	1,1305	-2,6587e-002
6,6092	-26,544	1,1406	-2,5616e-002
6,6195	-26,742	1,1449	-1,0266e-002
6,6298	-26,939	1,1481	-6,5189e-003
6,6401	-27,136	1,1509	-1,6275e-002
6,6504	-27,334	1,154	-2,3485e-002
6,6607	-27,531	1,1563	-1,7216e-002
6,671	-27,728	1,1608	-6,5337e-003
6,6813	-27,925	1,1707	-9,9079e-003
6,6916	-28,123	1,1866	-1,9803e-002
6,7019	-28,32	1,3984	-1,8523e-002
6,7121	-28,517	1,61	-9,3518e-003
6,7224	-28,714	1,8217	-8,9876e-003
6,7327	-28,911	2,0334	-1,6598e-002
6,743	-29,109	2,245	-1,7578e-002
6,7533	-29,306	2,4566	-1,0476e-002
6,7636	-29,503	2,6681	-7,989e-003
6,7738	-29,7	2,8796	-1,3225e-002
6,7841	-29,897	3,0912	-1,6789e-002
6,7944	-30,094	3,3028	-4,9256e-003
6,8047	-30,292	3,5152	-1,0547e-003
6,815	-30,489	3,7276	-1,5554e-002
6,8253	-30,686	3,9389	-2,4983e-002
6,8356	-30,884	4,1507	-2,0859e-002
6,8459	-31,081	4,3628	-9,9288e-003
6,8562	-31,278	4,5742	-1,0814e-002
6,8664	-31,475	4,7854	-2,5848e-002
6,8768	-31,674	4,9989	-3,2525e-002
6,8872	-31,872	5,2118	-1,0675e-002
6,8975	-32,07	5,4251	-1,9795e-003
6,9079	-32,269	5,6378	-2,2954e-002
6,9182	-32,468	5,8517	-3,4214e-002
6,9286	-32,666	6,065	-2,0028e-002
6,939	-32,865	6,2781	-9,5496e-003
6,9493	-33,064	6,4915	-1,3683e-002
6,9597	-33,263	6,705	-2,0217e-002
6,9701	-33,461	6,9185	-3,0019e-002
6,9805	-33,66	7,1321	-3,2786e-002
6,9908	-33,859	7,3455	-2,4823e-002
7,	-34,035	7,5344	-2,0713e-002
7,0104	-34,234	7,7479	-1,9151e-002
7,0207	-34,433	7,9613	-2,8116e-002
7,0311	-34,631	8,1746	-3,3068e-002
7,0415	-34,83	8,3879	-2,7972e-002
7,0518	-35,029	8,6012	-2,3538e-002
7,0622	-35,227	8,8145	-2,536e-002
7,0726	-35,426	9,0277	-2,9764e-002
7,0829	-35,625	9,2409	-3,0662e-002
7,0933	-35,823	9,4542	-2,9278e-002
7,1036	-36,022	9,6673	-2,708e-002
7,114	-36,22	9,8805	-2,6807e-002
7,1244	-36,419	10,094	-3,16e-002
7,1347	-36,617	10,307	-3,1934e-002
7,1451	-36,816	10,52	-3,0414e-002
7,1554	-37,014	10,733	-3,0026e-002
7,1658	-37,212	10,946	-3,1698e-002
7,1761	-37,411	11,159	-3,4875e-002
7,1865	-37,609	11,372	-3,4272e-002
7,1968	-37,807	11,585	-2,9217e-002
7,2072	-38,006	11,798	-2,812e-002
7,2175	-38,204	12,011	-3,3555e-002
7,2278	-38,402	12,223	-3,6871e-002
7,2382	-38,601	12,436	-3,3906e-002
7,2485	-38,799	12,649	-2,9338e-002
7,2589	-38,997	12,862	-2,7582e-002
7,2692	-39,195	13,075	-3,9122e-002
7,2795	-39,394	13,288	-3,6156e-002
7,2899	-39,592	13,5	-2,6134e-002
7,3002	-39,79	13,713	-2,59e-002
7,3106	-39,988	13,926	-3,5664e-002
7,3209	-40,186	14,139	-3,9175e-002
7,3312	-40,384	14,351	-3,159e-002
7,3416	-40,582	14,564	-2,8064e-002
7,3519	-40,781	14,777	-2,6125e-002
7,3623	-40,979	14,99	-2,4457e-002
7,3727	-41,179	15,204	-4,4368e-002
7,383	-41,377	15,417	-4,9132e-002
7,3934	-41,576	15,631	-3,4753e-002
7,4038	-41,776	15,846	-2,3609e-002
7,4142	-41,975	16,059	-3,6577e-002

	-42,174	16,273	-5,017e-002
7,435	-42,374	16,487	-3,649e-002
7,4454	-42,572	16,7	-2,1832e-002
7,4558	-42,771	16,914	-2,7751e-002
7,4661	-42,97	17,128	-4,9469e-002
7,4765	-43,169	17,341	-4,0946e-002
7,4869	-43,368	17,555	-1,7863e-002
7,4972	-43,567	17,768	-2,6445e-002
7,5076	-43,766	17,982	-4,4058e-002
7,518	-43,964	18,195	-3,9929e-002
7,5284	-44,163	18,409	-2,1756e-002
7,5387	-44,362	18,622	-2,6154e-002
7,5491	-44,561	18,835	-4,3697e-002
7,5595	-44,76	19,049	-3,5269e-002
7,5699	-44,958	19,262	-2,1291e-002
7,5802	-45,157	19,476	-3,1086e-002
7,5906	-45,356	19,689	-3,5811e-002
7,601	-45,555	19,902	-2,7005e-002
7,6113	-45,753	20,116	-2,5038e-002
7,6217	-45,952	20,329	-3,2615e-002
7,6321	-46,151	20,543	-3,2316e-002
7,6424	-46,35	20,756	-2,5394e-002
7,6528	-46,548	20,969	-2,7888e-002
7,6632	-46,747	21,183	-3,3423e-002
7,6735	-46,945	21,396	-2,7971e-002
7,6839	-47,144	21,609	-2,5519e-002
7,6942	-47,343	21,822	-3,0975e-002
7,7046	-47,541	22,035	-3,4175e-002
7,7149	-47,739	22,248	-2,875e-002
7,7253	-47,938	22,461	-2,5167e-002
7,7356	-48,136	22,674	-3,1076e-002
7,746	-48,334	22,887	-3,2934e-002
7,7563	-48,533	23,1	-2,8069e-002
7,7667	-48,731	23,313	-2,852e-002
7,777	-48,929	23,526	-3,1192e-002
7,7873	-49,127	23,738	-2,9966e-002
7,7977	-49,326	23,951	-2,8525e-002
7,808	-49,524	24,164	-3,0104e-002
7,8184	-49,722	24,377	-3,196e-002
7,8287	-49,92	24,589	-3,0901e-002
7,839	-50,118	24,802	-3,0108e-002
7,8494	-50,316	25,015	-3,1514e-002
7,8597	-50,514	25,227	-3,2628e-002
7,8701	-50,713	25,441	-4,3586e-002
7,8804	-50,911	25,654	-3,7018e-002
7,8908	-51,111	25,868	-4,2619e-002
7,9012	-51,31	26,081	-4,4338e-002
7,9115	-51,508	26,294	-4,2811e-002
7,9215	-51,7	26,5	3,7834e-002
7,9316	-51,893	26,708	6,0168e-003
7,9418	-52,088	26,917	-3,9962e-002
7,952	-52,284	27,127	-3,4518e-002
7,9621	-52,478	27,336	-1,9573e-002
7,9723	-52,673	27,545	6,3e-003
7,9825	-52,868	27,755	8,2531e-003
7,9926	-53,062	27,963	2,1327e-002
8,	-53,204	28,115	9,5466e-003
8,0101	-53,398	28,324	2,6782e-002
8,0203	-53,593	28,533	2,2461e-002
8,0305	-53,788	28,742	-2,3584e-002
8,0407	-53,983	28,952	-4,0543e-002
8,0508	-54,178	29,161	-9,983e-003
8,061	-54,373	29,371	2,4485e-002
8,0712	-54,568	29,58	1,5835e-002
8,0813	-54,763	29,789	-1,3699e-002
8,0915	-54,957	29,998	-8,5846e-003
8,1017	-55,154	30,208	1,5946e-002
8,112	-55,35	30,419	1,4386e-002
8,1222	-55,546	30,629	1,1239e-002
8,1324	-55,741	30,84	9,1794e-003
8,1426	-55,938	31,051	1,0556e-002
8,1529	-56,134	31,262	1,2903e-002
8,1631	-56,331	31,472	1,1655e-002
8,1733	-56,526	31,682	9,946e-003
8,1836	-56,723	31,893	1,2291e-002
8,1938	-56,919	32,104	1,6305e-002
8,2041	-57,115	32,315	1,2974e-002
8,2143	-57,311	32,525	8,5617e-003
8,2245	-57,508	32,736	1,3808e-002
8,2348	-57,704	32,947	1,5906e-002
8,245	-57,9	33,157	1,6226e-002
8,2552	-58,096	33,368	1,7318e-002
8,2654	-58,292	33,578	1,5524e-002
8,2757	-58,488	33,789	1,3518e-002
8,2859	-58,684	33,999	1,614e-002
8,2961	-58,88	34,21	2,0272e-002
8,3064	-59,076	34,42	1,6209e-002

	-59,272	34,631	1,3098e-002
8,3268	-59,468	34,841	1,797e-002
8,337	-59,664	35,052	1,9619e-002
8,3473	-59,86	35,262	1,4141e-002
8,3575	-60,056	35,472	1,4583e-002
8,3677	-60,252	35,683	1,9241e-002
8,3779	-60,448	35,893	1,6806e-002
8,3881	-60,644	36,103	1,2334e-002
8,3984	-60,84	36,314	1,602e-002
8,4086	-61,036	36,524	2,0569e-002
8,4188	-61,232	36,734	1,5675e-002
8,429	-61,427	37,481	1,1649e-002
8,4392	-61,623	38,313	1,6072e-002
8,4494	-61,819	39,144	1,9187e-002
8,4597	-62,015	39,976	1,5645e-002
8,4699	-62,211	40,807	1,2434e-002
8,4801	-62,406	41,638	1,3564e-002
8,4903	-62,603	42,473	1,7296e-002
8,5006	-62,799	43,307	6,7477e-003
8,5108	-62,996	44,143	1,1353e-002
8,5211	-63,193	44,98	3,1721e-002
8,5314	-63,39	45,816	3,7135e-002
8,5417	-63,587	46,652	1,876e-002
8,552	-63,784	47,489	3,6668e-003
8,5622	-63,981	48,325	1,5709e-002
8,5725	-64,178	49,161	3,5426e-002
8,5828	-64,375	49,998	3,4637e-002
8,5931	-64,572	50,835	1,9358e-002
8,6033	-64,769	51,673	1,1431e-002
8,6136	-64,966	52,509	1,8897e-002
8,6239	-65,163	53,345	3,0166e-002
8,6342	-65,36	54,182	3,4721e-002
8,6445	-65,557	55,019	2,7375e-002
8,6547	-65,754	55,856	1,4804e-002
8,665	-65,952	56,694	1,2631e-002
8,6753	-66,149	57,531	2,7072e-002
8,6856	-66,346	58,367	4,1494e-002
8,6959	-66,543	59,204	3,5174e-002
8,7062	-66,74	60,042	1,5554e-002
8,7165	-66,937	60,88	8,7085e-003
8,7267	-67,134	61,717	2,5556e-002
8,737	-67,332	62,555	4,5394e-002
8,7473	-67,529	63,392	3,8287e-002
8,7576	-67,726	64,23	1,999e-002
8,7679	-67,923	65,067	1,5462e-002
8,7782	-68,12	65,903	2,4723e-002
8,7884	-68,317	66,74	3,4591e-002
8,7987	-68,514	67,577	3,8734e-002
8,809	-68,711	68,414	3,2596e-002
8,8193	-68,908	69,25	2,2305e-002
8,8296	-69,105	70,087	2,1894e-002
8,8398	-69,302	70,924	3,338e-002
8,8501	-69,5	71,761	4,228e-002
8,8604	-69,697	72,598	3,7365e-002
8,8707	-69,894	73,436	2,659e-002
8,881	-70,091	74,273	2,5482e-002
8,8913	-70,288	75,11	3,4806e-002
8,9016	-70,485	75,948	4,1083e-002
8,9118	-70,683	76,785	3,6572e-002
8,9221	-70,88	77,623	3,079e-002
8,9324	-71,077	78,461	3,6644e-002
8,9427	-71,275	79,299	4,2311e-002
8,953	-71,472	80,137	3,786e-002
8,9633	-71,669	80,975	3,2184e-002
8,9736	-71,867	81,813	3,6638e-002
8,9839	-72,064	82,652	4,3841e-002
8,9942	-72,262	83,49	4,1922e-002
9,	-72,373	83,962	4,3865e-002
9,0103	-72,57	84,801	4,3638e-002
9,0206	-72,768	85,64	3,9425e-002
9,0309	-72,965	86,479	4,3218e-002
9,0412	-73,162	87,314	5,0051e-002
9,0515	-73,36	88,155	5,1048e-002
9,0618	-73,558	88,995	3,9267e-002
9,0722	-73,756	89,835	2,7403e-002
9,0825	-73,954	90,676	3,0567e-002
9,0928	-74,152	91,517	4,2858e-002
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9,1135	-74,548	93,198	4,5081e-002
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9,1961	-76,132	99,925	3,8982e-002

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9,2581	-77,321	104,98	4,8902e-002
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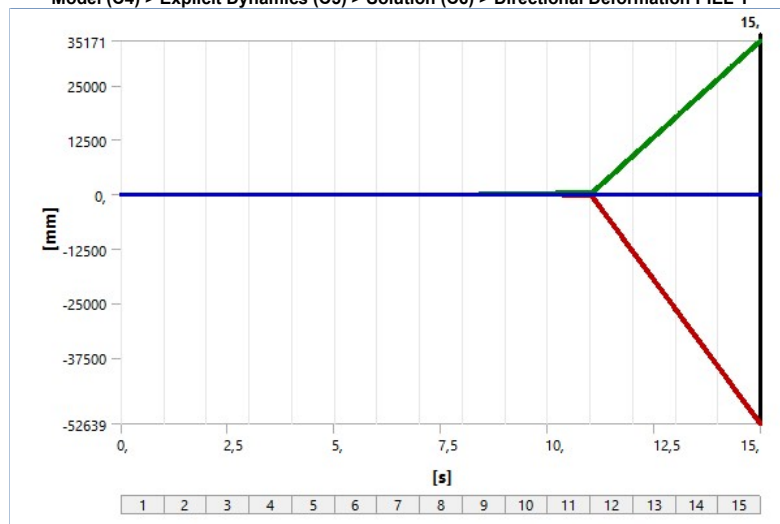
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12,958	-36070	4751,5	-17,483
12,968	-36257	4776,1	-17,578
12,979	-36444	4800,8	-17,673
12,989	-36630	4825,4	-17,767
12,999	-36817	4850,	-17,862
13,	-36841	4853,1	-17,874
13,01	-37028	4877,7	-17,969
13,02	-37215	4902,4	-18,064
13,03	-37402	4927,	-18,159
13,04	-37589	4951,6	-18,253
13,05	-37776	4976,2	-18,348
13,061	-37963	5000,8	-18,443
13,071	-38149	5025,4	-18,538
13,081	-38336	5050,	-18,632
13,091	-38523	5074,6	-18,727
13,101	-38710	5099,2	-18,822
13,111	-38897	5123,9	-18,916
13,121	-39084	5148,5	-19,011
13,131	-39271	5173,1	-19,106
13,141	-39458	5197,7	-19,201
13,151	-39644	5222,3	-19,296
13,161	-39831	5246,9	-19,39
13,171	-40018	5271,5	-19,485
13,182	-40205	5296,1	-19,58
13,192	-40392	5320,8	-19,675
13,202	-40579	5345,4	-19,769
13,212	-40766	5370,	-19,864
13,222	-40953	5394,6	-19,959
13,232	-41140	5419,2	-20,054
13,242	-41326	5443,8	-20,148
13,252	-41513	5468,4	-20,243
13,262	-41700	5493,	-20,338
13,272	-41887	5517,7	-20,433
13,282	-42074	5542,3	-20,527
13,293	-42261	5566,9	-20,622
13,303	-42448	5591,5	-20,717
13,313	-42635	5616,1	-20,812
13,323	-42821	5640,7	-20,906
13,333	-43008	5665,3	-21,001
13,343	-43195	5689,9	-21,096
13,353	-43382	5714,5	-21,191
13,363	-43569	5739,2	-21,285
13,373	-43756	5763,8	-21,38
13,383	-43943	5788,4	-21,475
13,393	-44130	5813,	-21,57
13,404	-44316	5837,6	-21,664
13,414	-44503	5862,2	-21,759
13,424	-44690	5886,8	-21,854
13,434	-44877	5911,4	-21,949
13,444	-45064	5936,1	-22,043
13,454	-45251	5960,7	-22,138
13,464	-45438	5985,3	-22,233
13,474	-45625	6009,9	-22,328
13,484	-45812	6034,5	-22,423
13,494	-45998	6059,1	-22,517
13,504	-46185	6083,7	-22,612
13,515	-46372	6108,3	-22,707
13,525	-46559	6133,	-22,802
13,535	-46746	6157,6	-22,896
13,545	-46933	6182,2	-22,991
13,555	-47120	6206,8	-23,086
13,565	-47307	6231,4	-23,181
13,575	-47493	6256,	-23,275
13,585	-47680	6280,6	-23,37
13,595	-47867	6305,2	-23,465

	-48054	6329,8	-23,56
13,615	-48241	6354,5	-23,654
13,625	-48428	6379,1	-23,749
13,636	-48615	6403,7	-23,844
13,646	-48802	6428,3	-23,939
13,656	-48989	6452,9	-24,033
13,666	-49175	6477,5	-24,128
13,676	-49362	6502,1	-24,223
13,686	-49549	6526,7	-24,318
13,696	-49736	6551,4	-24,412
13,706	-49923	6576,	-24,507
13,716	-50110	6600,6	-24,602
13,726	-50297	6625,2	-24,697
13,736	-50484	6649,8	-24,791
13,747	-50670	6674,4	-24,886
13,757	-50857	6699,	-24,981
13,767	-51044	6723,6	-25,076
13,777	-51231	6748,3	-25,17
13,787	-51418	6772,9	-25,265
13,797	-51605	6797,5	-25,36
13,807	-51792	6822,1	-25,455
13,817	-51979	6846,7	-25,55
13,827	-52166	6871,3	-25,644
13,837	-52352	6895,9	-25,739
13,847	-52539	6920,5	-25,834
13,858	-52726	6945,2	-25,929
13,868	-52913	6969,8	-26,023
13,878	-53100	6994,4	-26,118
13,888	-53287	7019,	-26,213
13,898	-53474	7043,6	-26,308
13,908	-53661	7068,2	-26,402
13,918	-53848	7092,8	-26,497
13,928	-54034	7117,5	-26,592
13,938	-54221	7142,1	-26,687
13,948	-54408	7166,7	-26,781
13,958	-54595	7191,3	-26,876
13,968	-54782	7215,9	-26,971
13,979	-54969	7240,5	-27,066
13,989	-55156	7265,1	-27,16
13,999	-55343	7289,7	-27,255
14,	-55366	7292,8	-27,267
14,01	-55553	7317,4	-27,362
14,02	-55740	7342,	-27,457
14,03	-55927	7366,7	-27,551
14,04	-56114	7391,3	-27,646
14,05	-56301	7415,9	-27,741
14,061	-56487	7440,5	-27,836
14,071	-56674	7465,1	-27,93
14,081	-56861	7489,7	-28,025
14,091	-57048	7514,3	-28,12
14,101	-57235	7538,9	-28,215
14,111	-57422	7563,6	-28,309
14,121	-57609	7588,2	-28,404
14,131	-57796	7612,8	-28,499
14,141	-57982	7637,4	-28,594
14,151	-58169	7662,	-28,688
14,161	-58356	7686,6	-28,783
14,172	-58543	7711,2	-28,878
14,182	-58730	7735,8	-28,973
14,192	-58917	7760,4	-29,067
14,202	-59104	7785,	-29,162
14,212	-59290	7809,7	-29,257
14,222	-59477	7834,3	-29,352
14,232	-59664	7858,9	-29,446
14,242	-59851	7883,5	-29,541
14,252	-60038	7908,1	-29,636
14,262	-60225	7932,7	-29,731
14,272	-60412	7957,3	-29,825
14,282	-60599	7981,9	-29,92
14,293	-60785	8006,5	-30,015
14,303	-60972	8031,2	-30,11
14,313	-61159	8055,8	-30,204
14,323	-61346	8080,4	-30,299
14,333	-61533	8105,	-30,394
14,343	-61720	8129,6	-30,489
14,353	-61906	8154,2	-30,583
14,363	-62093	8178,8	-30,678
14,373	-62280	8203,4	-30,773
14,383	-62467	8228,	-30,867
14,393	-62654	8252,6	-30,962
14,404	-62841	8277,2	-31,057
14,414	-63027	8301,8	-31,152
14,424	-63214	8326,4	-31,246
14,434	-63401	8351,	-31,341
14,444	-63588	8375,6	-31,436
14,454	-63775	8400,2	-31,531
14,464	-63962	8424,8	-31,625

	-64148	8449,4	-31,72
14,484	-64335	8474,1	-31,815
14,494	-64522	8498,7	-31,909
14,504	-64709	8523,3	-32,004
14,514	-64896	8547,9	-32,099
14,525	-65083	8572,5	-32,194
14,535	-65269	8597,1	-32,288
14,545	-65456	8621,7	-32,383
14,555	-65643	8646,3	-32,478
14,565	-65830	8670,9	-32,573
14,575	-66017	8695,5	-32,667
14,585	-66204	8720,1	-32,762
14,595	-66390	8744,7	-32,857
14,605	-66577	8769,3	-32,952
14,615	-66764	8793,9	-33,046
14,625	-66951	8818,5	-33,141
14,635	-67138	8843,1	-33,236
14,646	-67325	8867,7	-33,33
14,656	-67511	8892,3	-33,425
14,666	-67698	8916,9	-33,52
14,676	-67885	8941,5	-33,615
14,686	-68072	8966,1	-33,709
14,696	-68259	8990,7	-33,804
14,706	-68445	9015,3	-33,899
14,716	-68632	9039,9	-33,993
14,726	-68819	9064,5	-34,088
14,736	-69006	9089,1	-34,183
14,746	-69192	9113,7	-34,277
14,756	-69379	9138,3	-34,372
14,767	-69566	9162,9	-34,467
14,777	-69753	9187,5	-34,562
14,787	-69939	9212,1	-34,656
14,797	-70126	9236,7	-34,751
14,807	-70313	9261,3	-34,846
14,817	-70499	9285,9	-34,94
14,827	-70686	9310,4	-35,035
14,837	-70873	9335,	-35,13
14,847	-71059	9359,6	-35,224
14,857	-71246	9384,2	-35,319
14,867	-71433	9408,8	-35,413
14,877	-71620	9433,4	-35,508
14,887	-71806	9458,	-35,603
14,898	-71993	9482,6	-35,697
14,908	-72180	9507,1	-35,792
14,918	-72366	9531,7	-35,887
14,928	-72553	9556,3	-35,981
14,938	-72740	9580,9	-36,076
14,948	-72926	9605,5	-36,171
14,958	-73113	9630,1	-36,265
14,968	-73300	9654,7	-36,36
14,978	-73486	9679,2	-36,455
14,988	-73673	9703,8	-36,549
14,998	-73860	9728,4	-36,644
15,	-73890	9732,5	-36,66

**FIGURE 39**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Directional Deformation PIEL Y



**TABLE 32**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Directional Deformation PIEL Y

Time [s]	Minimum [mm]	Maximum [mm]	Average [mm]
1,1755e-038	0,	0,	0,
1,0443e-002	-7,2076e-003	6,1522e-003	-1,4118e-005
2,0904e-002	-1,7388e-002	1,4086e-002	-3,6259e-005

3,1366e-002	-2,7819e-002	2,1401e-002	-7,3636e-005
4,1827e-002	-3,8505e-002	2,8241e-002	-1,2521e-004
5,2289e-002	-4,9554e-002	3,4566e-002	-1,9429e-004
6,275e-002	-6,0958e-002	4,0399e-002	-2,787e-004
7,3211e-002	-7,2735e-002	4,5806e-002	-3,754e-004
8,3672e-002	-8,4905e-002	5,083e-002	-4,848e-004
9,4132e-002	-9,7512e-002	5,5484e-002	-6,0739e-004
0,10459	-0,11056	5,9801e-002	-7,4508e-004
0,11505	-0,12405	6,3806e-002	-8,9893e-004
0,12551	-0,13802	6,8087e-002	-1,069e-003
0,13597	-0,15244	7,2374e-002	-1,255e-003
0,14643	-0,16734	7,6562e-002	-1,4571e-003
0,15689	-0,1827	8,068e-002	-1,6759e-003
0,16735	-0,19853	8,4733e-002	-1,9129e-003
0,17781	-0,21484	8,8753e-002	-2,1693e-003
0,18826	-0,23161	9,2765e-002	-2,4448e-003
0,19872	-0,24886	9,6795e-002	-2,7405e-003
0,20918	-0,26658	0,10089	-3,0555e-003
0,21963	-0,2848	0,1051	-3,3918e-003
0,23009	-0,30355	0,10952	-3,7513e-003
0,24054	-0,32288	0,11432	-4,1345e-003
0,25099	-0,34287	0,1198	-4,5425e-003
0,26145	-0,3637	0,12648	-4,9767e-003
0,2719	-0,38563	0,13545	-5,4381e-003
0,28235	-0,40905	0,14894	-5,9258e-003
0,2928	-0,43393	0,17201	-6,4148e-003
0,30326	-0,45423	0,21557	-6,7169e-003
0,31371	-0,51436	0,25763	-4,595e-003
0,32417	-0,46794	0,36491	-3,7356e-003
0,33464	-0,50835	0,43529	-2,1902e-003
0,3451	-0,51057	0,47315	-2,2437e-003
0,35556	-0,46912	0,48542	-2,2481e-003
0,36602	-0,4857	0,47502	-3,0638e-003
0,37648	-0,49109	0,49046	-3,4422e-003
0,38694	-0,49508	0,50354	-2,7912e-003
0,3974	-0,49711	0,51829	-2,6354e-003
0,40786	-0,504	0,52745	-2,4535e-003
0,41832	-0,51191	0,53948	-2,8088e-003
0,42878	-0,52018	0,55002	-2,8485e-003
0,43924	-0,52466	0,56517	-3,1708e-003
0,4497	-0,53459	0,57451	-3,0708e-003
0,46016	-0,54167	0,58619	-2,9771e-003
0,47062	-0,54924	0,5974	-2,6529e-003
0,48108	-0,55474	0,60992	-2,7283e-003
0,49154	-0,5607	0,6221	-3,0804e-003
0,502	-0,5674	0,6325	-3,4197e-003
0,51246	-0,57437	0,64331	-3,3968e-003
0,52292	-0,58061	0,65483	-3,0173e-003
0,53337	-0,58451	0,66796	-2,8666e-003
0,54383	-0,59109	0,67867	-3,0145e-003
0,55429	-0,59707	0,69001	-3,4791e-003
0,56475	-0,6037	0,7003	-3,5866e-003
0,57521	-0,60868	0,71268	-3,4931e-003
0,58567	-0,61417	0,72402	-3,1739e-003
0,59613	-0,6186	0,73585	-3,1814e-003
0,60658	-0,62475	0,74648	-3,3772e-003
0,61704	-0,63037	0,75779	-3,7017e-003
0,6275	-0,63536	0,76934	-3,7695e-003
0,63796	-0,64018	0,78123	-3,646e-003
0,64842	-0,64794	0,79208	-3,4939e-003
0,65887	-0,65583	0,80268	-3,492e-003
0,66933	-0,66384	0,81373	-3,6895e-003
0,67979	-0,67199	0,82405	-3,8928e-003
0,69025	-0,68025	0,83454	-3,9951e-003
0,70071	-0,68863	0,84515	-3,8801e-003
0,71117	-0,69716	0,85621	-3,7737e-003
0,72162	-0,70686	0,86493	-3,7608e-003
0,73208	-0,71559	0,87496	-3,9732e-003
0,74254	-0,72446	0,88528	-4,1975e-003
0,753	-0,73352	0,89704	-4,2456e-003
0,76346	-0,7428	0,90633	-4,1427e-003
0,77392	-0,7522	0,91414	-4,0975e-003
0,78438	-0,76175	0,92132	-4,2258e-003
0,79484	-0,77143	0,92847	-4,4629e-003
0,80529	-0,72315	0,92739	-3,6154e-003
0,81575	-0,73227	0,90993	-4,3395e-003
0,82621	-0,74181	0,9119	-5,1338e-003
0,83667	-0,75147	0,91874	-4,6554e-003
0,84713	-0,7613	0,9287	-4,4521e-003
0,85759	-0,77138	0,93286	-4,5242e-003
0,86805	-0,78151	0,9405	-5,1731e-003
0,8785	-0,7918	0,94398	-5,2202e-003
0,88896	-0,80217	0,95392	-5,1898e-003
0,89942	-0,81274	0,961	-5,2067e-003
0,90988	-0,82343	0,96628	-5,5635e-003
0,92033	-0,83429	0,97276	-5,7049e-003
0,93079	-0,84519	0,98003	-5,7134e-003

	-0,85629	0,98766	-5,8245e-003
0,9517	-0,86752	0,9943	-6,1201e-003
0,96216	-0,87887	1,0008	-6,4053e-003
0,97261	-0,89033	1,0077	-6,4148e-003
0,98307	-0,90192	1,0165	-6,4477e-003
0,99352	-0,91366	1,023	-6,6027e-003
1,	-0,92099	1,0277	-6,6984e-003
1,0105	-0,93511	1,0337	-6,8492e-003
1,0209	-0,94938	1,0381	-7,0657e-003
1,0314	-0,96376	1,0432	-7,2878e-003
1,0418	-0,97827	1,0489	-7,3284e-003
1,0523	-0,9929	1,0547	-7,3948e-003
1,0627	-1,0077	1,06	-7,4883e-003
1,0732	-1,0226	1,0654	-7,6494e-003
1,0836	-1,0377	1,071	-7,7922e-003
1,0941	-1,0528	1,0769	-7,9284e-003
1,1045	-1,0682	1,0832	-8,0488e-003
1,115	-1,0836	1,0891	-8,18e-003
1,1255	-1,0992	1,0952	-8,276e-003
1,1359	-1,1149	1,1014	-8,3562e-003
1,1464	-1,1307	1,1082	-8,5152e-003
1,1568	-1,1466	1,1146	-8,6811e-003
1,1673	-1,1627	1,1212	-8,8189e-003
1,1777	-1,1788	1,1283	-8,8692e-003
1,1882	-1,1951	1,1359	-8,9565e-003
1,1986	-1,2117	1,1432	-9,0768e-003
1,2091	-1,2285	1,1508	-9,2494e-003
1,2195	-1,2454	1,1585	-9,3776e-003
1,23	-1,2644	1,1656	-9,4278e-003
1,2404	-1,2813	1,1717	-9,4744e-003
1,2509	-1,2983	1,1798	-9,5982e-003
1,2613	-1,3155	1,1882	-9,7288e-003
1,2718	-1,3327	1,1972	-9,8482e-003
1,2823	-1,35	1,2067	-9,9452e-003
1,2927	-1,3676	1,2162	-1,0031e-002
1,3032	-1,3856	1,2259	-1,0122e-002
1,3136	-1,4032	1,2363	-1,0201e-002
1,3241	-1,421	1,247	-1,0302e-002
1,3345	-1,4394	1,2577	-1,0412e-002
1,345	-1,4573	1,2691	-1,0515e-002
1,3554	-1,4755	1,2805	-1,06e-002
1,3659	-1,4883	1,2935	-1,0485e-002
1,3763	-1,5066	1,2967	-1,0873e-002
1,3868	-1,5252	1,2957	-1,1032e-002
1,3972	-1,5438	1,2973	-1,1483e-002
1,4077	-1,5627	1,2969	-1,1733e-002
1,4181	-1,5821	1,2973	-1,2052e-002
1,4286	-1,6015	1,2968	-1,2407e-002
1,439	-1,5447	1,2518	-1,237e-002
1,4495	-1,5632	1,2382	-1,3394e-002
1,4599	-1,5835	1,2433	-1,3269e-002
1,4704	-1,6039	1,2555	-1,292e-002
1,4808	-1,6222	1,2676	-1,2765e-002
1,4913	-1,6417	1,2731	-1,3145e-002
1,5017	-1,662	1,2749	-1,3804e-002
1,5122	-1,6815	1,2787	-1,4075e-002
1,5226	-1,7015	1,2814	-1,4165e-002
1,5331	-1,7217	1,2816	-1,4425e-002
1,5435	-1,7417	1,2815	-1,4797e-002
1,554	-1,7616	1,283	-1,5e-002
1,5644	-1,7816	1,288	-1,5108e-002
1,5749	-1,8017	1,2891	-1,5496e-002
1,5853	-1,822	1,2893	-1,6025e-002
1,5958	-1,8422	1,2919	-1,6062e-002
1,6062	-1,8631	1,2939	-1,5939e-002
1,6167	-1,8837	1,2962	-1,6341e-002
1,6271	-1,9046	1,2997	-1,691e-002
1,6376	-1,9257	1,3043	-1,7177e-002
1,648	-1,947	1,313	-1,7316e-002
1,6585	-1,968	1,316	-1,7395e-002
1,669	-1,9891	1,3175	-1,7508e-002
1,6794	-2,011	1,3195	-1,7914e-002
1,6899	-2,032	1,3216	-1,8362e-002
1,7003	-2,0531	1,3233	-1,858e-002
1,7108	-1,8998	1,207	-1,9128e-002
1,7212	-1,9192	1,2057	-1,6944e-002
1,7317	-1,9402	1,2209	-1,7357e-002
1,7421	-1,9618	1,2352	-1,8263e-002
1,7526	-1,9838	1,2483	-2,0487e-002
1,763	-2,006	1,2616	-2,038e-002
1,7735	-2,0287	1,2739	-1,9738e-002
1,7839	-2,0511	1,2864	-1,9254e-002
1,7944	-2,0728	1,2992	-1,9463e-002
1,8048	-2,0946	1,3124	-1,9811e-002
1,8153	-2,1167	1,3257	-2,1001e-002
1,8257	-2,1394	1,339	-2,1599e-002
1,8362	-2,1618	1,3526	-2,1433e-002

	-2,1843	1,3666	-2,0715e-002
1,8571	-2,2065	1,3811	-2,0479e-002
1,8675	-2,2229	1,3957	-2,1283e-002
1,878	-2,2523	1,4105	-2,2236e-002
1,8885	-2,2755	1,4258	-2,2265e-002
1,8989	-2,2981	1,4412	-2,1437e-002
1,9094	-2,3206	1,4569	-2,0774e-002
1,9198	-2,3439	1,4728	-2,0913e-002
1,9303	-2,3677	1,4888	-2,1631e-002
1,9407	-2,3926	1,505	-2,2219e-002
1,9512	-2,4155	1,5216	-2,2186e-002
1,9616	-2,44	1,5384	-2,1517e-002
1,9721	-2,4635	1,5552	-2,1259e-002
1,9825	-2,4876	1,5725	-2,1379e-002
1,993	-2,5132	1,5898	-2,1974e-002
2,	-2,5294	1,6017	-2,139e-002
2,0105	-2,5528	1,6195	-2,1566e-002
2,0209	-2,5808	1,6373	-2,2e-002
2,0313	-1,6629	1,6581	-2,5103e-002
2,0417	-1,6705	1,6741	-2,5419e-002
2,0521	-1,6832	1,6811	-3,635e-002
2,0625	-1,6904	1,6812	-4,0812e-002
2,0729	-1,6808	1,6775	-3,6749e-002
2,0833	-1,673	1,6609	-3,6333e-002
2,0937	-1,6304	1,664	-1,979e-002
2,1041	-1,6087	1,6454	-1,5004e-003
2,1145	-1,598	1,6138	-1,2262e-002
2,1249	-1,5887	1,5885	-2,6981e-002
2,1353	-1,5673	1,5693	-2,8495e-002
2,1457	-1,5384	1,5462	-1,8409e-002
2,1562	-1,5245	1,5237	-1,8982e-002
2,1666	-1,5046	1,5037	-2,0972e-002
2,177	-1,4835	1,4849	-2,2005e-002
2,1874	-1,4602	1,4663	-1,7748e-002
2,1978	-1,4441	1,4458	-2,5105e-002
2,2082	-1,4326	1,4286	-2,8868e-002
2,2186	-1,4144	1,4091	-2,9741e-002
2,229	-1,3907	1,3945	-1,7907e-002
2,2394	-1,3781	1,3767	-1,4909e-002
2,2499	-1,3628	1,3602	-2,3802e-002
2,2603	-1,3475	1,3465	-3,2891e-002
2,2707	-1,3357	1,3324	-2,9616e-002
2,2811	-1,321	1,3207	-2,1749e-002
2,2915	-1,3067	1,3093	-1,8031e-002
2,3019	-1,2934	1,2944	-2,1371e-002
2,3123	-1,283	1,2803	-2,6007e-002
2,3227	-1,272	1,269	-2,8595e-002
2,3331	-1,2568	1,257	-2,7765e-002
2,3435	-1,2431	1,2433	-2,4786e-002
2,3539	-1,2372	1,23	-2,248e-002
2,3643	-1,2309	1,2197	-2,2772e-002
2,3747	-1,2242	1,2075	-2,6062e-002
2,3851	-1,219	1,1963	-2,8632e-002
2,3955	-1,2082	1,1917	-2,8714e-002
2,4059	-1,2053	1,185	-2,6763e-002
2,4163	-1,2007	1,1796	-2,5079e-002
2,4267	-1,1939	1,1748	-2,3635e-002
2,4371	-1,182	1,1701	-2,485e-002
2,4475	-1,1772	1,1644	-2,7794e-002
2,4579	-1,1697	1,1588	-2,7539e-002
2,4684	-1,1705	1,1517	-2,9229e-002
2,4788	-1,162	1,1473	-2,5494e-002
2,4892	-1,1528	1,1425	-2,2869e-002
2,4996	-1,1467	1,1369	-2,3585e-002
2,51	-1,1438	1,1317	-2,7631e-002
2,5204	-1,1432	1,1269	-3,0982e-002
2,5308	-1,1364	1,1214	-2,8996e-002
2,5412	-1,1259	1,1162	-2,5616e-002
2,5516	-1,1209	1,1115	-2,4368e-002
2,562	-1,1175	1,1058	-2,7125e-002
2,5724	-1,1156	1,1002	-2,9907e-002
2,5828	-1,1111	1,095	-3,1092e-002
2,5932	-1,103	1,0908	-2,9114e-002
2,6036	-1,0956	1,0856	-2,7391e-002
2,614	-1,0925	1,0804	-2,7525e-002
2,6244	-1,0927	1,075	-2,9462e-002
2,6348	-1,0862	1,0706	-3,0688e-002
2,6452	-1,0774	1,0663	-3,1034e-002
2,6556	-1,0752	1,0608	-3,1291e-002
2,666	-1,0694	1,0555	-2,8979e-002
2,6764	-1,0637	1,0519	-2,7966e-002
2,6868	-1,0611	1,0473	-2,8921e-002
2,6972	-1,0564	1,0424	-3,1238e-002
2,7076	-1,0541	1,0374	-3,2867e-002
2,718	-1,0704	1,0333	-3,3202e-002
2,7284	-1,0851	1,0289	-3,2262e-002
2,7388	-1,1003	1,0239	-3,0762e-002

	-1,1144	1,0197	-3,1477e-002
2,7596	-1,2198	1,0155	-2,5537e-002
2,77	-1,2533	1,0124	-2,8187e-002
2,7804	-1,2795	1,0074	-3,4074e-002
2,7908	-1,3014	1,0017	-3,304e-002
2,8012	-1,3107	0,99642	-3,0267e-002
2,8116	-1,3225	0,99179	-2,635e-002
2,822	-1,3465	0,98353	-2,8476e-002
2,8324	-1,3789	0,97803	-3,2622e-002
2,8428	-1,3955	0,97183	-3,467e-002
2,8532	-1,4092	0,96448	-3,3068e-002
2,8636	-1,3979	0,9556	-3,1076e-002
2,874	-1,4086	0,94922	-2,8134e-002
2,8844	-1,4298	0,94627	-2,5583e-002
2,8948	-1,4469	0,93561	-2,8029e-002
2,9052	-1,4748	0,92837	-3,0486e-002
2,9156	-1,4855	0,92029	-3,3807e-002
2,926	-1,5017	0,914	-3,1819e-002
2,9364	-1,5125	0,90599	-3,0193e-002
2,9468	-0,90575	0,89798	-1,674e-002
2,9572	-0,88388	0,93941	5,5621e-003
2,9676	-0,87696	0,90006	1,1751e-002
2,978	-0,88354	0,87437	-1,5544e-002
2,9884	-0,90255	0,86233	-2,8393e-002
2,9987	-0,87342	0,86116	-2,6084e-002
3,	-0,87231	0,85901	-1,0489e-002
3,0104	-0,84789	0,87224	5,5178e-003
3,0208	-0,85688	0,84689	-4,6098e-003
3,0312	-0,87032	0,84563	-1,723e-002
3,0416	-0,85642	0,84083	-2,5005e-002
3,052	-0,8396	0,83823	-1,3011e-002
3,0624	-0,82917	0,84006	-1,0657e-002
3,0728	-0,84027	0,82685	-1,0589e-002
3,0832	-0,92934	0,82115	-1,5981e-002
3,0936	-0,82912	0,8226	-1,2577e-002
3,104	-0,81774	0,82366	-1,1517e-002
3,1145	-1,038	0,81796	-1,6273e-002
3,1249	-0,82275	0,81269	-2,1627e-002
3,1353	-0,83382	0,80634	-2,0062e-002
3,1457	-0,81352	0,80667	-9,1073e-003
3,1561	-0,80017	0,80941	-6,6632e-003
3,1665	-0,80374	0,80203	-1,5532e-002
3,1769	-0,81127	0,79913	-2,6062e-002
3,1873	-0,80954	0,79209	-2,0363e-002
3,1977	-0,79093	0,79102	-9,2041e-003
3,2081	-0,78738	0,79063	-7,2228e-003
3,2185	-0,79359	0,78287	-1,9017e-002
3,2289	-0,79545	0,77967	-2,6354e-002
3,2393	-0,78514	0,77896	-2,3144e-002
3,2497	-0,81844	0,77595	-1,7624e-002
3,2601	-0,91151	0,7732	-1,7813e-002
3,2705	-1,0045	0,76845	-2,0899e-002
3,2809	-1,0975	0,7668	-2,0676e-002
3,2913	-1,1905	0,76569	-2,2442e-002
3,3017	-1,2836	0,76186	-2,7235e-002
3,3121	-1,3766	0,75822	-2,9691e-002
3,3225	-1,1608	0,75564	-2,3756e-002
3,3329	-0,93019	0,7545	-1,894e-002
3,3433	-0,76523	0,75225	-2,2537e-002
3,3536	-0,79533	0,74824	-3,1528e-002
3,364	-0,81676	0,74513	-3,3576e-002
3,3744	-0,8227	0,74382	-2,8525e-002
3,3848	-0,91762	0,74162	-2,477e-002
3,3952	-1,1794	0,73888	-2,684e-002
3,4056	-1,2605	0,73556	-3,041e-002
3,4159	-0,9073	0,73446	-1,1597e-002
3,4263	-0,74722	0,73286	-1,8838e-002
3,4367	-0,75776	0,72602	-3,3573e-002
3,4471	-0,7603	0,72768	-2,8291e-002
3,4575	-1,2405	0,72869	-1,9949e-002
3,4679	-1,0962	0,73182	-1,1301e-002
3,4783	-0,95191	0,71961	-1,9805e-002
3,4887	-0,8077	0,71636	-2,8955e-002
3,4991	-0,77493	0,71123	-3,0269e-002
3,5095	-0,74842	0,7104	-2,4266e-002
3,5199	-0,7487	0,71162	-1,7888e-002
3,5303	-0,76572	0,70522	-2,1578e-002
3,5406	-0,77784	0,70214	-2,2801e-002
3,551	-0,76531	0,70741	-2,5673e-002
3,5614	-0,77181	0,69968	-2,3431e-002
3,5718	-0,79098	0,69499	-2,8075e-002
3,5822	-0,82247	0,69172	-3,0256e-002
3,5926	-0,92125	0,68999	-2,5923e-002
3,603	-0,84147	0,69146	-2,061e-002
3,6134	-0,85485	0,68748	-2,5595e-002
3,6237	-0,88776	0,68324	-3,3328e-002
3,6341	-0,8979	0,6814	-3,2979e-002



	-0,90286	0,68102	-2,8368e-002
3,6549	-0,92546	0,67855	-2,7718e-002
3,6653	-0,94618	0,6754	-3,0068e-002
3,6756	-0,95992	0,67388	-3,0589e-002
3,686	-0,96786	0,67257	-3,1442e-002
3,6964	-0,98519	0,67054	-3,4724e-002
3,7068	-1,0086	0,66752	-3,6976e-002
3,7171	-1,0215	0,66574	-3,346e-002
3,7275	-1,0228	0,66445	-2,984e-002
3,7379	-1,0452	0,66253	-3,2021e-002
3,7482	-1,0717	0,65987	-3,7667e-002
3,7586	-1,0989	0,65785	-3,9609e-002
3,769	-1,1085	0,65623	-3,7212e-002
3,7793	-0,93563	0,65066	-3,2439e-002
3,7897	-0,9333	0,65058	-1,746e-002
3,8001	-0,94374	0,65303	-2,0423e-002
3,8105	-0,9942	0,64752	-2,9026e-002
3,8209	-1,0422	0,64793	-3,7857e-002
3,8313	-1,0194	0,64562	-3,5956e-002
3,8416	-1,0077	0,64565	-2,6822e-002
3,852	-1,0016	0,64186	-2,4675e-002
3,8624	-1,0675	0,6364	-2,6162e-002
3,8728	-1,0952	0,63533	-3,3573e-002
3,8831	-1,1075	0,63492	-3,39e-002
3,8935	-1,0752	0,63401	-3,4043e-002
3,9039	-1,1209	0,63247	-3,108e-002
3,9143	-1,1383	0,63027	-3,1415e-002
3,9246	-1,1765	0,62788	-3,1792e-002
3,935	-1,1818	0,62727	-3,2504e-002
3,9454	-1,1677	0,62491	-3,4683e-002
3,9558	-1,1992	0,62421	-3,5352e-002
3,9661	-1,2178	0,62137	-3,6754e-002
3,9765	-1,253	0,62045	-3,4811e-002
3,9869	-1,2508	0,61918	-3,446e-002
3,9973		0,61764	-3,443e-002
4,	-1,2629	0,61697	-3,7877e-002
4,0104	-1,2884	0,61506	-3,8809e-002
4,0207	-1,3105	0,61447	-3,7256e-002
4,0311	-1,3248	0,61299	-3,5609e-002
4,0415	-1,352	0,61136	-3,7336e-002
4,0518	-1,3879	0,6089	-4,3237e-002
4,0622	-1,4212	0,60796	-4,5448e-002
4,0726	-1,439	0,60657	-4,2793e-002
4,0829	-1,4627	0,60538	-3,9464e-002
4,0933	-1,4906	0,60315	-4,182e-002
4,1036	-1,5291	0,60149	-4,7105e-002
4,1139	-1,5569	0,60046	-5,0393e-002
4,1242	-1,5733	0,59967	-4,9642e-002
4,1346	-1,6002	0,59701	-4,6959e-002
4,1447	-1,6243	0,59532	-4,7086e-002
4,1551	-1,6619	0,59187	-5,0528e-002
4,1654	-1,6812	0,59069	-5,3972e-002
4,1758	-1,7058	0,6173	-5,5418e-002
4,186	-1,7299	0,64815	-5,584e-002
4,1962	-1,758	0,67875	-5,5675e-002
4,2065	-1,7639	0,70991	-5,5051e-002
4,2168	-1,7831	0,74107	-5,5999e-002
4,2272	-1,8075	0,77225	-6,023e-002
4,2375	-1,8473	0,80341	-6,2693e-002
4,2479	-1,8717	0,83456	-6,1692e-002
4,2582	-1,8872	0,86571	-5,9967e-002
4,2681	-0,966	0,89562	-3,8013e-002
4,2785	-1,1181	0,92678	-1,0222e-002
4,2888	-1,1378	0,95792	-2,5434e-002
4,2991	-1,1959	0,98906	-5,4675e-002
4,3094	-1,2142	1,0201	-5,2493e-002
4,3198	-1,1635	1,0513	-3,6745e-002
4,3301	-1,2479	1,0825	-3,4819e-002
4,3405	-1,227	1,1137	-4,4297e-002
4,3508	-1,2553	1,1449	-3,8439e-002
4,3612	-1,2423	1,1761	-3,8419e-002
4,3715	-1,2743	1,2073	-5,0381e-002
4,3819	-1,3091	1,2385	-5,8805e-002
4,3922	-1,3189	1,2697	-4,3385e-002
4,4026	-1,2985	1,3009	-3,284e-002
4,4129	-1,3501	1,3321	-3,866e-002
4,4233	-1,3557	1,3632	-5,1905e-002
4,4336	-1,355	1,3944	-5,1977e-002
4,444	-1,3677	1,4256	-4,7624e-002
4,4543	-1,3965	1,4568	-4,879e-002
4,4647	-1,4211	1,488	-4,8056e-002
4,475	-1,4483	1,5191	-4,3439e-002
4,4853	-1,4747	1,5503	-4,2983e-002
4,4957	-1,4988	1,5815	-5,2051e-002
4,506	-1,5255	1,6126	-5,8964e-002
4,5164	-1,5534	1,6438	-5,5407e-002
4,5267	-1,5824	1,6749	-4,5098e-002

4,537	-1,6116	1,7061	-4,3438e-002
4,5474	-1,6388	1,7373	-5,0478e-002
4,5577	-1,6645	1,7684	-5,8189e-002
4,568	-1,6904	1,7996	-5,9395e-002
4,5784	-1,2966	1,8307	-5,052e-002
4,5887	-1,2892	1,8619	-3,3456e-002
4,5991	-1,2978	1,8932	-1,3937e-002
4,6095	-1,3095	1,9244	-2,7835e-002
4,6198	-1,4179	1,9557	-4,2406e-002
4,6302	-1,454	1,9869	-6,2606e-002
4,6405	-1,4396	2,0181	-5,6811e-002
4,6509	-1,0362	2,0493	-3,3444e-002
4,6613	-1,1487	2,0806	-1,7645e-002
4,6716	-1,2304	2,1118	-2,9408e-002
4,682	-1,2736	2,1429	-5,1682e-002
4,6923	-1,2889	2,1741	-5,2686e-002
4,7027	-1,2517	2,2054	-4,6282e-002
4,713	-1,3439	2,2366	-3,9378e-002
4,7234	-1,0707	2,2677	-4,1273e-002
4,7337	-1,0709	2,2988	-3,4003e-002
4,744	-1,0885	2,33	-3,0955e-002
4,7544	-1,1279	2,3612	-4,8699e-002
4,7647	-1,1837	2,3924	-6,408e-002
4,7751	-1,2032	2,4236	-4,7655e-002
4,7854	-1,1999	2,4548	-2,5852e-002
4,7958	-1,2354	2,486	-3,4386e-002
4,8061	-1,2885	2,5172	-5,959e-002
4,8165	-1,3137	2,5483	-6,5307e-002
4,8268	-1,3248	2,5795	-4,963e-002
4,8372	-1,355	2,6107	-4,1799e-002
4,8475	-1,3965	2,6419	-4,7832e-002
4,8579	-1,4235	2,6731	-5,3859e-002
4,8682	-1,4397	2,7042	-5,4875e-002
4,8785	-1,4679	2,7354	-6,0771e-002
4,8889	-1,5187	2,7666	-6,3791e-002
4,8992	-1,5492	2,7977	-5,6348e-002
4,9096	-1,5759	2,8289	-4,8002e-002
4,9199	-1,603	2,86	-5,5007e-002
4,9302	-1,6303	2,8912	-6,9506e-002
4,9406	-1,2892	2,9223	-4,7664e-002
4,9509	-1,3537	2,9535	-5,079e-002
4,9612	-1,3758	2,9847	-5,4046e-002
4,9716	-1,3958	3,0158	-5,1826e-002
4,9819	-1,4026	3,047	-5,5879e-002
4,9923	-1,4197	3,0782	-6,1315e-002
5,	-1,4329	3,1015	-6,3107e-002
5,0104	-1,4588	3,1327	-6,2038e-002
5,0207	-1,469	3,1639	-5,5358e-002
5,031	-1,4921	3,1951	-5,57e-002
5,0414	-1,5309	3,2262	-6,4492e-002
5,0517	-1,551	3,2574	-6,8406e-002
5,0621	-1,5728	3,2886	-6,2952e-002
5,0724	-1,5809	3,3197	-6,0706e-002
5,0828	-1,6113	3,3509	-6,3776e-002
5,0931	-1,5535	3,3821	-6,6551e-002
5,1034	-1,5789	3,4132	-6,7617e-002
5,1138	-1,5885	3,4444	-6,7575e-002
5,1241	-1,6086	3,4756	-6,5965e-002
5,1344	-1,6222	3,5067	-6,7055e-002
5,1448	-1,6494	3,5379	-6,7153e-002
5,1551	-1,682	3,569	-6,9839e-002
5,1655	-1,7125	3,6002	-7,0701e-002
5,1758	-1,742	3,6313	-7,1646e-002
5,1861	-1,7723	3,6625	-7,083e-002
5,1965	-1,8036	3,6936	-7,0907e-002
5,2068	-1,8366	3,7248	-7,2044e-002
5,2171	-1,8682	3,7559	-7,4163e-002
5,2275	-1,8968	3,787	-7,5457e-002
5,2378	-1,9261	3,8182	-7,5268e-002
5,2481	-1,9579	3,8493	-7,4729e-002
5,2584	-1,9891	3,8804	-7,4335e-002
5,2688	-2,0186	3,9115	-7,5898e-002
5,2791	-2,0468	3,9427	-7,7639e-002
5,2894	-2,0761	3,9738	-7,9067e-002
5,2997	-2,105	4,0049	-7,8049e-002
5,3101	-2,1329	4,036	-7,682e-002
5,3204	-1,5964	4,0672	-7,9088e-002
5,3308	-1,5468	4,0984	-5,2194e-002
5,3411	-1,5248	4,1296	-4,0066e-002
5,3515	-1,5991	4,1609	-5,1095e-002
5,3618	-1,6941	4,1921	-7,2296e-002
5,3722	-1,6669	4,2232	-7,4272e-002
5,3825	-1,6591	4,2545	-5,8963e-002
5,3929	-1,7006	4,2857	-5,6796e-002
5,4033	-1,7427	4,3169	-6,1693e-002
5,4136	-1,7745	4,3481	-6,9359e-002
5,4239	-1,7797	4,3792	-6,379e-002

	-1,7555	4,4105	-6,6209e-002
5,4447	-1,8463	4,4417	-7,087e-002
5,455	-1,8781	4,4728	-7,4917e-002
5,4653	-1,9001	4,504	-6,4804e-002
5,4757	-1,8916	4,5352	-6,1855e-002
5,486	-1,9294	4,5664	-7,1757e-002
5,4964	-1,9917	4,5975	-8,316e-002
5,5067	-2,0138	4,6287	-7,9555e-002
5,517	-2,0184	4,6598	-6,8401e-002
5,5274	-2,0149	4,691	-6,3737e-002
5,5377	-2,0628	4,7221	-6,8257e-002
5,548	-2,0837	4,7532	-7,8799e-002
5,5583	-2,1201	4,7843	-8,2875e-002
5,5687	-2,1197	4,8154	-8,0805e-002
5,579	-2,1341	4,8466	-7,1565e-002
5,5893	-2,1653	4,8777	-6,8501e-002
5,5996	-2,1875	4,9088	-7,3683e-002
5,6099	-2,2271	4,9398	-8,3384e-002
5,6203	-2,2516	4,971	-8,5362e-002
5,6306	-2,2732	5,0021	-7,7749e-002
5,6409	-2,303	5,0331	-7,407e-002
5,6512	-2,3398	5,0642	-8,0596e-002
5,6615	-2,3703	5,0953	-9,0081e-002
5,6718	-2,4064	5,1264	-9,0944e-002
5,6822	-2,4242	5,1575	-8,5431e-002
5,6925	-2,4562	5,1886	-8,305e-002
5,7028	-2,4864	5,2197	-8,8915e-002
5,7131	-2,5216	5,2508	-9,6174e-002
5,7234	-1,8517	5,2819	-8,083e-002
5,7337	-2,0199	5,313	-6,1164e-002
5,7441	-2,0417	5,3441	-7,4117e-002
5,7544	-2,1355	5,3753	-9,1984e-002
5,7647	-2,1298	5,4064	-9,6748e-002
5,7751	-2,1115	5,4376	-8,3533e-002
5,7854	-2,1569	5,4688	-7,7237e-002
5,7957	-2,2162	5,4999	-8,189e-002
5,8061	-2,2092	5,531	-9,6097e-002
5,8164	-2,2329	5,5622	-0,10178
5,8268	-2,2569	5,5934	-9,3754e-002
5,8371	-2,2762	5,6245	-8,4548e-002
5,8474	-2,3112	5,6556	-8,6826e-002
5,8577	-2,3359	5,6868	-9,8225e-002
5,8681	-2,3523	5,7179	-0,10263
5,8784	-2,3753	5,749	-9,8398e-002
5,8887	-2,1267	5,7801	-7,771e-002
5,899	-2,1471	5,8112	-8,3704e-002
5,9093	-2,1821	5,8423	-9,1777e-002
5,9197	-2,2103	5,8734	-9,2367e-002
5,93	-2,2426	5,9044	-8,9207e-002
5,9401	-2,3893	5,935	-8,6382e-002
5,9504	-1,3492	5,9661	-9,2954e-002
5,9607	-1,3169	5,9972	-6,3763e-002
5,9711	-1,2933	6,0283	-3,6169e-002
5,9814	-1,3984	6,0594	-4,628e-002
5,9917	-1,4767	6,0905	-7,2595e-002
6,	-1,4518	6,1155	-7,2363e-002
6,0103	-1,4913	6,1466	-8,0259e-002
6,0207	-1,4667	6,1778	-7,2383e-002
6,031	-1,4978	6,209	-5,5933e-002
6,0414	-1,5407	6,2401	-5,5089e-002
6,0517	-1,5645	6,2713	-7,2162e-002
6,062	-1,6159	6,3024	-8,5326e-002
6,0724	-1,6257	6,3336	-8,2784e-002
6,0827	-1,6456	6,3647	-6,2851e-002
6,093	-1,639	6,3959	-6,0068e-002
6,1034	-1,7112	6,4271	-7,379e-002
6,1137	-1,7442	6,4582	-9,3797e-002
6,124	-1,7851	6,4893	-8,7325e-002
6,1344	-1,7503	6,5205	-7,2121e-002
6,1447	-1,8021	6,5516	-6,7672e-002
6,155	-1,8413	6,5828	-8,4556e-002
6,1653	-1,8925	6,6139	-9,3229e-002
6,1757	-1,8823	6,645	-8,8498e-002
6,186	-1,9132	6,6761	-8,1431e-002
6,1963	-1,9518	6,7073	-8,5194e-002
6,2067	-1,9909	6,7384	-9,002e-002
6,217	-2,0004	6,7695	-9,214e-002
6,2273	-2,0214	6,8006	-9,3506e-002
6,2376	-2,0541	6,8317	-9,1954e-002
6,248	-2,0958	6,8628	-9,0379e-002
6,2583	-2,1212	6,8939	-9,7221e-002
6,2686	-2,1507	6,925	-0,10568
6,2789	-2,1695	6,9561	-0,10245
6,2892	-2,1359	6,9873	-8,8689e-002
6,2996	-2,1653	7,0184	-8,8354e-002
6,3099	-2,2022	7,0495	-0,10587
6,3202	-2,2346	7,0806	-0,11131

	-2,2486	7,1118	-9,9565e-002
6,3409	-2,2815	7,1429	-9,4801e-002
6,3512	-2,3231	7,174	-0,10619
6,3615	-2,3535	7,2051	-0,11675
6,3719	-2,3802	7,2363	-0,11255
6,3822	-2,4109	7,2674	-0,10554
6,3925	-2,4441	7,2985	-0,10832
6,4028	-2,0653	7,3296	-0,10254
6,4132	-2,0835	7,3608	-0,10998
6,4235	-2,1211	7,3919	-0,11233
6,4338	-2,1594	7,423	-0,10686
6,4441	-2,1943	7,4541	-0,1092
6,4545	-2,2312	7,4852	-0,11803
6,4648	-2,2613	7,5163	-0,11858
6,4751	-2,2969	7,5474	-0,11546
6,4854	-2,2593	7,5785	-0,1146
6,4957	-2,2824	7,6097	-0,12363
6,5061	-2,3112	7,6407	-0,12517
6,5164	-2,3478	7,6719	-0,12204
6,5267	-2,3797	7,703	-0,12381
6,537	-2,413	7,734	-0,13016
6,5473	-2,4479	7,7651	-0,13201
6,5576	-2,4871	7,7962	-0,13093
6,568	-2,5174	7,8273	-0,13282
6,5783	-2,5511	7,8584	-0,13686
6,5886	-2,5797	7,8895	-0,1391
6,5989	-2,622	7,9206	-0,13958
6,6092	-2,655	7,9516	-0,14126
6,6195	-2,6784	7,9827	-0,13223
6,6298	-2,7099	8,0137	-0,13267
6,6401	-2,7405	8,0448	-0,14016
6,6504	-2,7668	8,0758	-0,14779
6,6607	-2,7953	8,1068	-0,14817
6,671	-2,8204	8,1379	-0,14252
6,6813	-2,8541	8,1689	-0,14208
6,6916	-2,881	8,1999	-0,15284
6,7019	-2,9134	8,2309	-0,15728
6,7121	-2,9321	8,2619	-0,15163
6,7224	-2,964	8,2929	-0,15014
6,7327	-2,9962	8,3239	-0,15917
6,743	-3,0235	8,3549	-0,164
6,7533	-3,052	8,3859	-0,15983
6,7636	-3,0796	8,4169	-0,15804
6,7738	-3,113	8,4478	-0,16561
6,7841	-3,1428	8,4788	-0,17054
6,7944	-2,6696	8,5098	-0,16221
6,8047	-2,6928	8,5409	-0,14278
6,815	-2,7282	8,572	-0,13994
6,8253	-2,7799	8,603	-0,16092
6,8356	-2,7847	8,634	-0,16818
6,8459	-2,8221	8,665	-0,14789
6,8562	-2,8441	8,696	-0,14322
6,8664	-2,0878	8,7269	-0,11025
6,8768	-2,1009	8,7582	-7,8186e-002
6,8872	-2,032	8,7894	-9,5611e-002
6,8975	-2,0396	9,0555	-0,11251
6,9079	-2,1347	9,4228	-0,115
6,9182	-2,2322	9,792	-0,11285
6,9286	-2,2147	10,16	-0,10987
6,939	-2,1831	10,528	-0,10624
6,9493	-2,244	10,897	-0,1012
6,9597	-2,2551	11,265	-0,11229
6,9701	-2,3561	11,634	-0,116
6,9805	-2,3729	12,003	-0,11561
6,9908	-2,4037	12,371	-0,10928
7,	-2,4238	12,698	-0,1131
7,0104	-2,4531	13,066	-0,12095
7,0207	-2,4672	13,435	-0,12396
7,0311	-2,5024	13,803	-0,11835
7,0415	-2,5249	14,171	-0,11934
7,0518	-2,5478	14,539	-0,12622
7,0622	-2,5605	14,908	-0,1304
7,0726	-2,5833	15,276	-0,12611
7,0829	-2,6134	15,644	-0,1242
7,0933	-2,6333	16,012	-0,13224
7,1036	-2,6595	16,38	-0,13634
7,114	-2,6773	16,748	-0,13231
7,1244	-2,7184	17,116	-0,13051
7,1347	-2,7345	17,484	-0,13863
7,1451	-2,7551	17,852	-0,14195
7,1554	-2,784	18,22	-0,13784
7,1658	-2,8143	18,588	-0,13712
7,1761	-2,8471	18,956	-0,14304
7,1865	-2,8795	19,323	-0,14711
7,1968	-2,909	19,691	-0,1452
7,2072	-2,9434	20,059	-0,14506
7,2175	-2,9737	20,426	-0,14838

	-2,9995	20,794	-0,15255
7,2382	-3,0634	21,162	-0,15293
7,2485	-3,1272	21,529	-0,15161
7,2589	-3,1911	21,896	-0,15504
7,2692	-3,255	22,264	-0,15949
7,2795	-3,3188	22,631	-0,15665
7,2899	-3,3826	22,999	-0,15597
7,3002	-3,4465	23,366	-0,1621
7,3106	-3,5104	23,733	-0,16408
7,3209	-3,5742	24,101	-0,16229
7,3312	-3,638	24,468	-0,16254
7,3416	-3,7018	24,835	-0,16219
7,3519	-3,7657	25,203	-0,13224
7,3623	-3,8296	25,571	-0,1031
7,3727	-3,8939	25,941	-0,12207
7,383	-3,9579	26,309	-0,1548
7,3934	-4,022	26,678	-0,1529
7,4038	-4,0864	27,048	-0,11657
7,4142	-4,1504	27,416	-0,12708
7,4246	-4,2146	27,786	-0,16376
7,435	-4,2789	28,156	-0,15245
7,4454	-4,3429	28,524	-0,12588
7,4558	-4,407	28,893	-0,12947
7,4661	-4,4711	29,262	-0,15149
7,4765	-4,5352	29,63	-0,15044
7,4869	-4,5992	29,999	-0,13786
7,4972	-4,6633	30,368	-0,13486
7,5076	-4,7274	30,736	-0,1499
7,518	-4,7914	31,105	-0,16011
7,5284	-4,8555	31,473	-0,14951
7,5387	-4,9196	31,842	-0,13995
7,5491	-4,9836	32,211	-0,15227
7,5595	-5,0477	32,579	-0,166
7,5699	-5,1117	32,948	-0,1551
7,5802	-5,1757	33,316	-0,1467
7,5906	-5,2398	33,685	-0,15522
7,601	-5,3038	34,053	-0,16703
7,6113	-5,3678	34,422	-0,16248
7,6217	-5,4318	34,79	-0,15348
7,6321	-5,4958	35,158	-0,16086
7,6424	-5,5599	35,527	-0,17015
7,6528	-5,6239	35,895	-0,16753
7,6632	-5,6879	36,263	-0,16191
7,6735	-5,7519	36,631	-0,16331
7,6839	-5,8159	37,	-0,17155
7,6942	-5,8798	37,368	-0,17138
7,7046	-5,9437	37,735	-0,1727
7,7149	-6,0077	38,103	-0,17439
7,7253	-6,0716	38,471	-0,17534
7,7356	-6,1355	38,839	-0,17765
7,746	-6,1994	39,206	-0,18027
7,7563	-6,2632	39,574	-0,18114
7,7667	-6,3271	39,941	-0,18362
7,777	-6,391	40,309	-0,18481
7,7873	-6,4548	40,676	-0,1849
7,7977	-6,5187	41,044	-0,18693
7,808	-6,5825	41,411	-0,1894
7,8184	-6,6463	41,778	-0,1907
7,8287	-6,7102	42,146	-0,19288
7,839	-6,774	42,513	-0,19481
7,8494	-6,8378	42,88	-0,19567
7,8597	-6,9016	43,247	-0,19596
7,8701	-6,9656	43,616	-0,18438
7,8804	-7,0296	43,983	-0,18495
7,8908	-7,0938	44,353	
7,9012	-7,1579	44,722	-0,1487
7,9115	-7,2217	45,089	-0,18866
7,9215	-7,2836	45,445	-7,5705e-003
7,9316	-7,3458	45,803	-1,2924e-002
7,9418	-7,4088	46,166	-9,3002e-002
7,952	-7,4717	46,527	-0,1632
7,9621	-7,5343	46,888	-0,14736
7,9723	-7,5972	47,25	-3,9274e-002
7,9825	-7,66	47,611	4,2245e-003
7,9926	-7,7226	47,972	-2,079e-002
8,	-7,7682	48,234	-1,3836e-002
8,0101	-7,8308	48,594	-3,381e-002
8,0203	-7,8935	48,955	-5,4983e-002
8,0305	-7,9563	49,316	-8,645e-002
8,0407	-8,0193	49,679	-0,11426
8,0508	-8,0821	50,04	-0,10788
8,061	-8,1449	50,401	-6,0439e-002
8,0712	-8,2077	50,763	-1,9114e-002
8,0813	-8,2705	51,124	-2,2941e-002
8,0915	-8,333	51,484	-2,7248e-002
8,1017	-8,3963	51,848	-2,2438e-002
8,112	-8,4596	52,212	-4,1768e-002

8,1222	-8,5227	52,575	-2,9711e-002
8,1324	-8,5857	52,938	3,298e-003
8,1426	-8,649	53,302	2,1039e-003
8,1529	-8,7123	53,666	-3,0862e-002
8,1631	-8,7756	54,03	-4,4705e-002
8,1733	-8,8386	54,393	-1,7047e-002
8,1836	-8,9019	54,757	4,6501e-003
8,1938	-8,9651	55,121	-1,1359e-002
8,2041	-9,0283	55,485	-3,8451e-002
8,2143	-9,4497	55,848	-3,4495e-002
8,2245	-10,099	56,212	-1,0281e-002
8,2348	-10,748	56,576	-6,7709e-003
8,245	-11,396	56,939	-2,0004e-002
8,2552	-12,044	57,303	-2,3244e-002
8,2654	-12,693	57,666	-1,4482e-002
8,2757	-13,342	58,03	-1,1676e-002
8,2859	-13,99	58,394	-1,8922e-002
8,2961	-14,639	58,757	-2,0834e-002
8,3064	-15,287	59,12	-1,49e-002
8,3166	-15,935	59,484	-1,5095e-002
8,3268	-16,583	59,847	-2,0139e-002
8,337	-17,231	61,208	-1,9567e-002
8,3473	-17,879	62,91	-1,5958e-002
8,3575	-18,527	64,611	-1,5917e-002
8,3677	-19,175	66,31	-1,8223e-002
8,3779	-19,823	68,011	-1,7867e-002
8,3881	-20,471	69,711	-1,6339e-002
8,3984	-21,119	71,411	-1,7982e-002
8,4086	-21,766	73,11	-1,9921e-002
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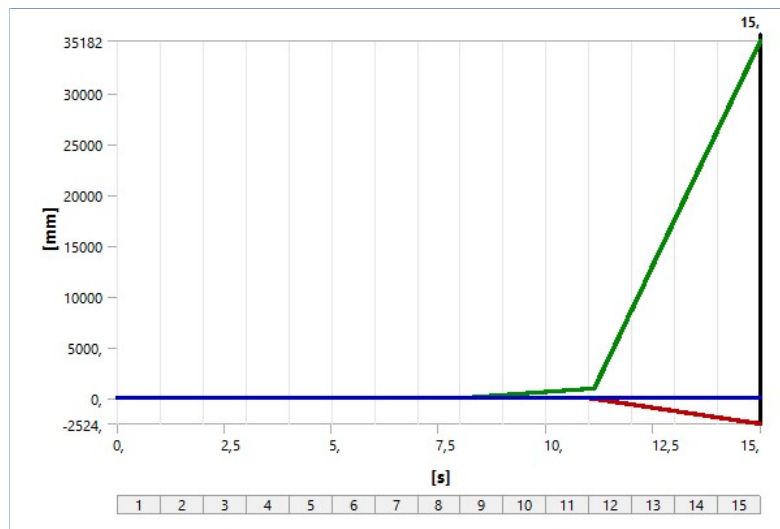
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12,282	-16772	11208	0,69729
12,293	-16905	11297	0,70683
12,303	-17038	11386	0,71591
12,313	-17172	11474	0,72441
12,323	-17305	11563	0,73238
12,333	-17438	11652	0,7402
12,343	-17571	11741	0,74839
12,353	-17704	11830	0,7572
12,363	-17837	11919	0,76649
12,373	-17970	12008	0,77595
12,383	-18104	12097	0,78522
12,393	-18237	12186	0,79405
12,404	-18370	12275	0,80234
12,414	-18503	12364	0,81033
12,424	-18636	12453	0,81847
12,434	-18769	12542	0,827
12,444	-18902	12631	0,83596
12,454	-19036	12720	0,84521
12,464	-19169	12809	0,85448
12,474	-19302	12898	0,86349
12,484	-19435	12987	0,87206
12,494	-19568	13076	0,88031
12,504	-19701	13165	0,88854
12,514	-19834	13254	0,89694
12,525	-19968	13343	0,90564
12,535	-20101	13432	0,91464

	-20234	13520	0,9238
12,555	-20367	13609	0,93286
12,565	-20500	13698	0,94163
12,575	-20633	13787	0,95013
12,585	-20766	13876	0,95851
12,595	-20900	13965	0,96689
12,605	-21033	14054	0,97543
12,615	-21166	14143	0,98423
12,625	-21299	14232	0,99322
12,636	-21432	14321	1,0022
12,646	-21565	14410	1,0111
12,656	-21698	14499	1,0198
12,666	-21832	14588	1,0284
12,676	-21965	14677	1,0368
12,686	-22098	14766	1,0453
12,696	-22231	14855	1,0539
12,706	-22364	14944	1,0628
12,716	-22497	15033	1,0717
12,726	-22630	15122	1,0806
12,736	-22764	15211	1,0894
12,747	-22897	15300	1,0981
12,757	-23030	15389	1,1066
12,767	-23163	15478	1,1151
12,777	-23296	15566	1,1237
12,787	-23429	15655	1,1324
12,797	-23562	15744	1,1412
12,807	-23696	15833	1,1501
12,817	-23829	15922	1,159
12,827	-23962	16011	1,1677
12,837	-24095	16100	1,1764
12,847	-24228	16189	1,1849
12,857	-24361	16278	1,1935
12,868	-24494	16367	1,2021
12,878	-24628	16456	1,2108
12,888	-24761	16545	1,2197
12,898	-24894	16634	1,2285
12,908	-25027	16723	1,2373
12,918	-25160	16812	1,246
12,928	-25293	16901	1,2546
12,938	-25426	16990	1,2632
12,948	-25560	17079	1,2718
12,958	-25693	17168	1,2805
12,968	-25826	17257	1,2893
12,979	-25959	17346	1,2981
12,989	-26092	17435	1,3069
12,999	-26225	17524	1,3157
13,	-26242	17535	1,3167
13,01	-26376	17624	1,3253
13,02	-26509	17713	1,3339
13,03	-26642	17802	1,3426
13,04	-26775	17891	1,3514
13,05	-26908	17980	1,3601
13,061	-27041	18069	1,3689
13,071	-27174	18158	1,3777
13,081	-27308	18247	1,3864
13,091	-27441	18336	1,395
13,101	-27574	18425	1,4037
13,111	-27707	18513	1,4123
13,121	-27840	18602	1,421
13,131	-27973	18691	1,4298
13,141	-28106	18780	1,4385
13,151	-28240	18869	1,4473
13,161	-28373	18958	1,456
13,171	-28506	19047	1,4647
13,182	-28639	19136	1,4734
13,192	-28772	19225	1,482
13,202	-28905	19314	1,4907
13,212	-29038	19403	1,4994
13,222	-29172	19492	1,5082
13,232	-29305	19581	1,5169
13,242	-29438	19670	1,5257
13,252	-29571	19759	1,5344
13,262	-29704	19848	1,5431
13,272	-29837	19937	1,5517
13,282	-29971	20026	1,5604
13,293	-30104	20115	1,5691
13,303	-30237	20204	1,5778
13,313	-30370	20293	1,5866
13,323	-30503	20382	1,5953
13,333	-30636	20471	1,604
13,343	-30769	20560	1,6127
13,353	-30903	20648	1,6214
13,363	-31036	20737	1,6301
13,373	-31169	20826	1,6388
13,383	-31302	20915	1,6475
13,393	-31435	21004	1,6562
13,404	-31568	21093	1,6649

	-31701	21182	1,6737
13,424	-31835	21271	1,6824
13,434	-31968	21360	1,6911
13,444	-32101	21449	1,6998
13,454	-32234	21538	1,7085
13,464	-32367	21627	1,7171
13,474	-32500	21716	1,7259
13,484	-32633	21805	1,7346
13,494	-32767	21894	1,7433
13,504	-32900	21983	1,752
13,515	-33033	22072	1,7607
13,525	-33166	22161	1,7694
13,535	-33299	22250	1,7781
13,545	-33432	22339	1,7868
13,555	-33566	22428	1,7955
13,565	-33699	22517	1,8042
13,575	-33832	22606	1,813
13,585	-33965	22695	1,8217
13,595	-34098	22783	1,8304
13,605	-34231	22872	1,8391
13,615	-34364	22961	1,8478
13,625	-34498	23050	1,8565
13,636	-34631	23139	1,8652
13,646	-34764	23228	1,8739
13,656	-34897	23317	1,8826
13,666	-35030	23406	1,8913
13,676	-35163	23495	1,9
13,686	-35296	23584	1,9088
13,696	-35430	23673	1,9175
13,706	-35563	23762	1,9262
13,716	-35696	23851	1,9349
13,726	-35829	23940	1,9436
13,736	-35962	24029	1,9523
13,747	-36095	24118	1,961
13,757	-36229	24207	1,9697
13,767	-36362	24296	1,9784
13,777	-36495	24385	1,9871
13,787	-36628	24474	1,9958
13,797	-36761	24563	2,0045
13,807	-36894	24652	2,0132
13,817	-37027	24741	2,022
13,827	-37161	24830	2,0307
13,837	-37294	24919	2,0394
13,847	-37427	25007	2,0481
13,858	-37560	25096	2,0568
13,868	-37693	25185	2,0655
13,878	-37826	25274	2,0742
13,888	-37959	25363	2,0829
13,898	-38093	25452	2,0916
13,908	-38226	25541	2,1003
13,918	-38359	25630	2,109
13,928	-38492	25719	2,1177
13,938	-38625	25808	2,1265
13,948	-38758	25897	2,1352
13,958	-38892	25986	2,1439
13,968	-39025	26075	2,1526
13,979	-39158	26164	2,1613
13,989	-39291	26253	2,17
13,999	-39424	26342	2,1787
14,	-39441	26353	2,1798
14,01	-39574	26442	2,1885
14,02	-39707	26531	2,1972
14,03	-39840	26620	2,2059
14,04	-39973	26709	2,2146
14,05	-40107	26798	2,2233
14,061	-40240	26887	2,232
14,071	-40373	26976	2,2407
14,081	-40506	27065	2,2495
14,091	-40639	27154	2,2582
14,101	-40772	27243	2,2669
14,111	-40905	27332	2,2756
14,121	-41039	27421	2,2843
14,131	-41172	27510	2,293
14,141	-41305	27598	2,3017
14,151	-41438	27687	2,3104
14,161	-41571	27776	2,3191
14,172	-41704	27865	2,3278
14,182	-41837	27954	2,3365
14,192	-41971	28043	2,3452
14,202	-42104	28132	2,3539
14,212	-42237	28221	2,3626
14,222	-42370	28310	2,3714
14,232	-42503	28399	2,3801
14,242	-42636	28488	2,3888
14,252	-42769	28577	2,3975
14,262	-42903	28666	2,4062
14,272	-43036	28755	2,4149

	-43169	28844	2,4236
14,293	-43302	28933	2,4323
14,303	-43435	29022	2,441
14,313	-43568	29111	2,4497
14,323	-43701	29200	2,4584
14,333	-43834	29289	2,4671
14,343	-43968	29377	2,4758
14,353	-44101	29466	2,4845
14,363	-44234	29555	2,4932
14,373	-44367	29644	2,502
14,383	-44500	29733	2,5107
14,393	-44633	29822	2,5194
14,404	-44766	29911	2,5281
14,414	-44899	30000	2,5368
14,424	-45032	30089	2,5455
14,434	-45166	30178	2,5542
14,444	-45299	30267	2,5629
14,454	-45432	30356	2,5716
14,464	-45565	30445	2,5803
14,474	-45698	30534	2,589
14,484	-45831	30623	2,5977
14,494	-45964	30711	2,6064
14,504	-46097	30800	2,6151
14,514	-46230	30889	2,6238
14,525	-46364	30978	2,6325
14,535	-46497	31067	2,6412
14,545	-46630	31156	2,6499
14,555	-46763	31245	2,6586
14,565	-46896	31334	2,6674
14,575	-47029	31423	2,6761
14,585	-47162	31512	2,6848
14,595	-47295	31601	2,6935
14,605	-47429	31690	2,7022
14,615	-47562	31779	2,7109
14,625	-47695	31868	2,7196
14,635	-47828	31957	2,7283
14,646	-47961	32046	2,737
14,656	-48094	32134	2,7457
14,666	-48227	32223	2,7544
14,676	-48360	32312	2,7631
14,686	-48493	32401	2,7718
14,696	-48626	32490	2,7805
14,706	-48759	32579	2,7892
14,716	-48893	32668	2,7979
14,726	-49026	32757	2,8066
14,736	-49159	32846	2,8153
14,746	-49292	32935	2,824
14,756	-49425	33023	2,8327
14,767	-49558	33112	2,8414
14,777	-49691	33201	2,8501
14,787	-49824	33290	2,8588
14,797	-49957	33379	2,8675
14,807	-50090	33468	2,8762
14,817	-50223	33557	2,8849
14,827	-50356	33646	2,8936
14,837	-50489	33735	2,9023
14,847	-50622	33823	2,911
14,857	-50755	33912	2,9197
14,867	-50888	34001	2,9284
14,877	-51021	34090	2,9371
14,887	-51154	34179	2,9458
14,898	-51287	34268	2,9545
14,908	-51420	34357	2,9632
14,918	-51553	34445	2,9719
14,928	-51686	34534	2,9806
14,938	-51819	34623	2,9893
14,948	-51952	34712	2,998
14,958	-52085	34801	3,0067
14,968	-52218	34890	3,0154
14,978	-52351	34979	3,0241
14,988	-52484	35067	3,0328
14,998	-52617	35156	3,0415
15,	-52639	35171	3,0429

**FIGURE 40**  
**Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Directional Deformation PIEL Z**



**TABLE 33**  
**Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Directional Deformation PIEL Z**

Time [s]	Minimum [mm]	Maximum [mm]	Average [mm]
1,1755e-038	0	0	0
1,0443e-002	-3,0142e-002	1,0086e-003	-8,4083e-005
2,0904e-002	-7,0833e-002	3,7157e-003	-1,8579e-004
3,1366e-002	-0,11162	6,5875e-003	-2,9686e-004
4,1827e-002	-0,15245	9,5943e-003	-4,0681e-004
5,2289e-002	-0,19325	1,2666e-002	-5,1508e-004
6,275e-002	-0,234	1,5701e-002	-6,2791e-004
7,3211e-002	-0,27466	1,8724e-002	-7,4125e-004
8,3672e-002	-0,3152	2,1722e-002	-8,5445e-004
9,4132e-002	-0,3556	2,4665e-002	-9,7054e-004
0,10459	-0,39584	2,7778e-002	-1,0891e-003
0,11505	-0,4359	3,0943e-002	-1,2086e-003
0,12551	-0,47576	3,4048e-002	-1,3309e-003
0,13597	-0,51543	3,7107e-002	-1,455e-003
0,14643	-0,5549	4,0115e-002	-1,5815e-003
0,15689	-0,59418	4,3064e-002	-1,7104e-003
0,16735	-0,63331	4,5946e-002	-1,8416e-003
0,17781	-0,6723	4,8745e-002	-1,9746e-003
0,18826	-0,71124	5,1448e-002	-2,1106e-003
0,19872	-0,75019	5,4045e-002	-2,2481e-003
0,20918	-0,78931	5,6503e-002	-2,3877e-003
0,21963	-0,82881	5,8789e-002	-2,5291e-003
0,23009	-0,86903	6,0833e-002	-2,672e-003
0,24054	-0,91058	6,2545e-002	-2,817e-003
0,25099	-0,95444	6,6921e-002	-2,9629e-003
0,26145	-1,0024	7,327e-002	-3,1089e-003
0,2719	-1,0578	8,2532e-002	-3,2533e-003
0,28235	-1,1272	9,71e-002	-3,3896e-003
0,2928	-1,2234	0,15702	-3,4945e-003
0,30326	-1,3631	0,3176	-3,4324e-003
0,31371	-1,2819	0,75014	-1,8713e-003
0,32417	-1,0143	0,69844	-1,1609e-003
0,33464	-1,0112	0,68871	-8,0758e-004
0,3451	-1,0446	0,69872	-1,0173e-003
0,35556	-0,93479	0,65504	-9,2676e-004
0,36602	-0,96038	0,65548	-1,0141e-003
0,37648	-0,99718	0,67095	-8,9962e-004
0,38694	-1,0331	0,6854	-1,007e-003
0,3974	-1,0723	0,70146	-9,8008e-004
0,40786	-1,11	0,71848	-1,1031e-003
0,41832	-1,1491	0,73648	-1,1361e-003
0,42878	-1,1835	0,75532	-1,0918e-003
0,43924	-1,2187	0,77426	-1,0431e-003
0,4497	-1,254	0,79117	-1,0927e-003
0,46016	-1,2891	0,80969	-1,2079e-003
0,47062	-1,3261	0,82968	-1,234e-003
0,48108	-1,3636	0,84901	-1,2473e-003
0,49154	-1,4012	0,86775	-1,2438e-003
0,502	-1,4382	0,88765	-1,3033e-003
0,51246	-1,4756	0,90798	-1,3631e-003
0,52292	-1,5126	0,92816	-1,4041e-003
0,53337	-1,5496	0,94825	-1,4412e-003
0,54383	-1,5865	0,96833	-1,4645e-003
0,55429	-1,6233	0,98893	-1,4939e-003
0,56475	-1,6601	1,0097	-1,5274e-003
0,57521	-1,6969	1,0302	-1,5635e-003
0,58567	-1,7337	1,0504	-1,6103e-003
0,59613	-1,7707	1,0714	-1,6609e-003
0,60658	-1,8076	1,0931	-1,6998e-003
0,61704	-1,8444	1,1139	-1,7285e-003

0,6275	-1,8811	1,1346	-1,7552e-003
0,63796	-1,9178	1,1558	-1,8055e-003
0,64842	-1,9542	1,1767	-1,8706e-003
0,65887	-1,9906	1,1978	-1,9298e-003
0,66933	-2,027	1,2187	-1,9674e-003
0,67979	-2,0633	1,2396	-2,0031e-003
0,69025	-2,0995	1,2607	-2,0549e-003
0,70071	-2,1356	1,2818	-2,1217e-003
0,71117	-2,1717	1,3026	-2,1829e-003
0,72162	-2,2061	1,3233	-2,23e-003
0,73208	-2,2421	1,3444	-2,2705e-003
0,74254	-2,278	1,3652	-2,3256e-003
0,753	-2,3141	1,381	-2,412e-003
0,76346	-2,3504	1,3787	-2,5942e-003
0,77392	-2,3866	1,3752	-2,7914e-003
0,78438	-2,4228	1,371	-2,978e-003
0,79484	-2,459	1,3667	-3,1579e-003
0,80529	-2,355	1,2877	-3,1488e-003
0,81575	-2,3909	1,2656	-3,4834e-003
0,82621	-2,4274	1,258	-3,6754e-003
0,83667	-2,4638	1,2517	-3,8543e-003
0,84713	-2,5002	1,2476	-3,9933e-003
0,85759	-2,5366	1,2425	-4,2015e-003
0,86805	-2,5729	1,238	-4,4943e-003
0,8785	-2,6092	1,234	-4,6381e-003
0,88896	-2,6453	1,2299	-4,7555e-003
0,89942	-2,6815	1,2262	-4,9408e-003
0,90988	-2,7176	1,2225	-5,1802e-003
0,92033	-2,7537	1,2184	-5,3993e-003
0,93079	-2,7896	1,215	-5,5715e-003
0,94124	-2,8255	1,2115	-5,7373e-003
0,9517	-2,8613	1,2079	-5,9289e-003
0,96216	-2,8971	1,2046	-6,1428e-003
0,97261	-2,9328	1,2015	-6,3342e-003
0,98307	-2,9684	1,1982	-6,514e-003
0,99352	-3,004	1,1951	-6,7059e-003
1,	-3,026	1,1933	-6,8301e-003
1,0105	-3,0406	1,195	-6,9185e-003
1,0209	-3,0552	1,1952	-7,0223e-003
1,0314	-3,0696		-7,115e-003
1,0418	-3,084	1,1949	-7,1908e-003
1,0523	-3,0983	1,1947	-7,2777e-003
1,0627	-3,1126	1,1939	-7,3758e-003
1,0732	-3,1268	1,1925	-7,4788e-003
1,0836	-3,1409	1,1955	-7,5741e-003
1,0941	-3,155	1,2014	-7,6633e-003
1,1045	-3,169	1,2074	-7,7694e-003
1,115	-3,1829	1,2134	-7,8789e-003
1,1255	-3,1968	1,2193	-7,9856e-003
1,1359	-3,2106	1,2251	-8,07e-003
1,1464	-3,2243	1,2309	-8,1659e-003
1,1568	-3,2379	1,2367	-8,2624e-003
1,1673	-3,2515	1,2425	-8,3609e-003
1,1777	-3,2649	1,2484	-8,4578e-003
1,1882	-3,2783	1,2542	-8,5504e-003
1,1986	-3,2916	1,2601	-8,6435e-003
1,2091	-3,305	1,266	-8,7347e-003
1,2195	-3,3182	1,2719	-8,8258e-003
1,23	-3,3258	1,2756	-8,9065e-003
1,2404	-3,3388	1,2807	-8,9999e-003
1,2509	-3,3517	1,2864	-9,0925e-003
1,2613	-3,3644	1,2923	-9,1848e-003
1,2718	-3,3771	1,2982	-9,2715e-003
1,2823	-3,3897	1,3042	-9,3527e-003
1,2927	-3,4023	1,3102	-9,4435e-003
1,3032	-3,4148	1,3163	-9,5335e-003
1,3136	-3,4271	1,3224	-9,6167e-003
1,3241	-3,4393	1,3286	-9,7002e-003
1,3345	-3,4518	1,3347	-9,7791e-003
1,345	-3,4638	1,3409	-9,8599e-003
1,3554	-3,4766	1,3471	-9,9416e-003
1,3659	-3,4828	1,3508	-1,0005e-002
1,3763	-3,4949	1,3549	-1,0094e-002
1,3868	-3,5073	1,3592	-1,0203e-002
1,3972	-3,5193	1,3635	-1,0313e-002
1,4077	-3,5322	1,3676	-1,0417e-002
1,4181	-3,5443	1,3721	-1,0526e-002
1,4286	-3,5567	1,3766	-1,064e-002
1,439	-3,4693	1,3521	-1,0769e-002
1,4495	-3,4799	1,3432	-1,0806e-002
1,4599	-3,4904	1,3433	-1,0976e-002
1,4704	-3,5011	1,3462	-1,0968e-002
1,4808	-3,5134	1,3498	-1,1008e-002
1,4913	-3,5245	1,3541	-1,1217e-002
1,5017	-3,5366	1,3585	-1,1297e-002
1,5122	-3,5479	1,3625	-1,1376e-002
1,5226	-3,5597	1,3663	-1,1491e-002

1,5331	-3,5716	1,3702	-1,1583e-002
1,5435	-3,5834	1,3739	-1,1762e-002
1,554	-3,5946	1,3776	-1,1835e-002
1,5644	-3,6058	1,3813	-1,1797e-002
1,5749	-3,6169	1,3851	-1,1893e-002
1,5853	-3,628	1,3889	-1,2036e-002
1,5958	-3,6388	1,3923	-1,2121e-002
1,6062	-3,6514	1,396	-1,2197e-002
1,6167	-3,6617	1,3992	-1,2273e-002
1,6271	-3,6728	1,4037	-1,2302e-002
1,6376	-3,6841	1,4078	-1,2391e-002
1,648	-3,6949	1,4113	-1,2473e-002
1,6585	-3,7055	1,4139	-1,2548e-002
1,669	-3,716	1,4156	-1,2645e-002
1,6794	-3,7275	1,4184	-1,2729e-002
1,6899	-3,7375	1,4199	-1,278e-002
1,7003	-3,7473	1,4211	-1,2851e-002
1,7108	-3,7582	1,371	-1,3009e-002
1,7212	-3,5889	1,3613	-1,2658e-002
1,7317	-3,6	1,3563	-1,3048e-002
1,7421	-3,6124	1,357	-1,3061e-002
1,7526	-3,6237	1,3558	-1,3234e-002
1,763	-3,6352	1,3547	-1,3295e-002
1,7735	-3,6465	1,3557	-1,3161e-002
1,7839	-3,6589	1,3571	-1,3449e-002
1,7944	-3,6699	1,3595	-1,3572e-002
1,8048	-3,6806	1,3605	-1,3542e-002
1,8153	-3,6917	1,3627	-1,3511e-002
1,8257	-3,7034	1,369	-1,3635e-002
1,8362	-3,7148	1,375	-1,38e-002
1,8466	-3,726	1,3821	-1,3874e-002
1,8571	-3,7362	1,3891	-1,3846e-002
1,8675	-3,7464	1,3955	-1,3897e-002
1,878	-3,7565	1,4012	-1,4006e-002
1,8885	-3,7663	1,4072	-1,4106e-002
1,8989	-3,7759	1,4136	-1,4197e-002
1,9094	-3,7855	1,4207	-1,4271e-002
1,9198	-3,795	1,4276	-1,4337e-002
1,9303	-3,8057	1,4346	-1,4407e-002
1,9407	-3,8171	1,4426	-1,4449e-002
1,9512	-3,8285	1,4507	-1,4512e-002
1,9616	-3,8393	1,4595	-1,4594e-002
1,9721	-3,8516	1,4685	-1,4691e-002
1,9825	-3,8617	1,4775	-1,4735e-002
1,993	-3,8734	1,487	-1,4751e-002
2,	-3,8798	1,4936	-1,4805e-002
2,0105	-3,9062	1,5066	-1,4861e-002
2,0209	-3,9315	1,5241	-1,4968e-002
2,0313	-2,0721	1,2124	-9,6728e-003
2,0417	-1,9592	1,0664	-9,1412e-003
2,0521	-1,9631	1,0199	-1,0716e-002
2,0625	-1,9664	1,0056	-9,0498e-003
2,0729	-1,8716	0,98638	-8,4824e-003
2,0833	-1,0272	0,965	-4,8657e-003
2,0937	-1,0014	0,94697	-5,2716e-003
2,1041	-0,99224	0,91917	-3,0291e-003
2,1145	-0,98627	0,89896	-6,5851e-003
2,1249	-0,98015	0,8916	-7,0782e-003
2,1353	-1,0038	0,86498	-5,7381e-003
2,1457	-1,0212	0,85038	-5,0771e-003
2,1562	-1,0384	0,83314	-5,0894e-003
2,1666	-1,0458	0,81954	-7,0395e-003
2,177	-1,0641	0,80629	-7,1199e-003
2,1874	-1,0805	0,7919	-5,8158e-003
2,1978	-1,0988	0,77809	-5,7862e-003
2,2082	-1,0747	0,76669	-6,6183e-003
2,2186	-1,0849	0,75139	-6,624e-003
2,229	-1,0968	0,73901	-6,5257e-003
2,2394	-1,1046	0,72596	-5,5024e-003
2,2499	-1,1138	0,71398	-6,3016e-003
2,2603	-0,98538	0,70371	-6,9687e-003
2,2707	-0,93264	0,69176	-6,1779e-003
2,2811	-0,92062	0,68131	-5,7069e-003
2,2915	-0,9043	0,67132	-5,8364e-003
2,3019	-0,88862	0,66256	-6,1499e-003
2,3123	-0,88757	0,65134	-6,5944e-003
2,3227	-0,89812	0,64134	-5,9382e-003
2,3331	-0,96201	0,63178	-5,7247e-003
2,3435	-1,0271	0,62147	-6,1156e-003
2,3539	-1,0922	0,61129	-6,5585e-003
2,3643	-1,1549	0,60145	-6,9035e-003
2,3747	-1,2156	0,59291	-6,4504e-003
2,3851	-1,2621	0,58261	-6,0043e-003
2,3955	-1,2776	0,57243	-6,0507e-003
2,4059	-1,293	0,56399	-6,59e-003
2,4163	-1,3084	0,55518	-6,8472e-003
2,4267	-1,3238	0,54618	-6,7413e-003



	-1,3392	0,53657	-6,1708e-003
2,4475	-1,3547	0,52817	-6,1616e-003
2,4579	-1,3701	0,52004	-5,5034e-003
2,4684	-1,3855	0,51362	-6,4751e-003
2,4788	-1,4009	0,50415	-6,161e-003
2,4892	-1,4164	0,49633	-5,5679e-003
2,4996	-1,4318	0,48938	-5,6734e-003
2,51	-1,4472	0,4811	-5,901e-003
2,5204	-1,4569	0,47374	-6,5135e-003
2,5308	-1,4517	0,46642	-6,4406e-003
2,5412	-1,4465	0,45963	-6,0326e-003
2,5516	-1,4413	0,45241	-6,1332e-003
2,562	-1,4361	0,44566	-6,4905e-003
2,5724	-1,4309	0,43963	-6,6717e-003
2,5828	-1,4257	0,43361	-6,6147e-003
2,5932	-1,4331	0,42683	-6,4273e-003
2,6036	-1,4606	0,4205	-6,4656e-003
2,614	-1,4882	0,41452	-6,8536e-003
2,6244	-1,5157	0,4091	-7,0894e-003
2,6348	-1,5432	0,40329	-6,9764e-003
2,6452	-1,5708	0,39688	-6,7612e-003
2,6556	-1,5983	0,39179	-6,9361e-003
2,666	-1,6258	0,38622	-7,2241e-003
2,6764	-1,6534	0,38104	-7,2816e-003
2,6868	-1,6809	0,37505	-7,5918e-003
2,6972	-1,7085	0,36993	-7,5125e-003
2,7076	-1,736	0,36557	-7,6071e-003
2,718	-1,7635	0,35997	-7,7256e-003
2,7284	-1,7911	0,35479	-7,8857e-003
2,7388	-1,8186	0,35021	-8,1087e-003
2,7492	-1,8461	0,3455	-8,2313e-003
2,7596	-1,8736	0,35236	-6,8001e-003
2,77	-1,9012	0,34021	-5,6677e-003
2,7804	-1,9287	0,33196	-6,6595e-003
2,7908	-1,9562	0,32628	-7,4585e-003
2,8012	-1,9837	0,32211	-6,3917e-003
2,8116	-2,0093	0,31664	-7,0066e-003
2,822	-2,0342	0,31343	-6,7682e-003
2,8324	-2,0611	0,30791	-7,335e-003
2,8428	-2,1055	0,30169	-7,2846e-003
2,8532	-2,15	0,2965	-6,8881e-003
2,8636	-2,1917	0,29335	-6,4061e-003
2,874	-2,2323	0,28492	-6,4389e-003
2,8844	-2,2729	0,27777	-6,5692e-003
2,8948	-2,3135	0,27273	-6,82e-003
2,9052	-2,3574	0,26722	-6,9441e-003
2,9156	-2,4022	0,26246	-6,9843e-003
2,926	-2,4469	0,25539	-6,7428e-003
2,9364	-2,4917	0,24986	-6,766e-003
2,9468	-2,5364	0,24506	-2,5598e-003
2,9572	-2,5811	0,26546	-1,4064e-003
2,9676	-2,6254	0,24714	-1,7774e-003
2,978	-2,6656	0,23214	-2,8403e-003
2,9884	-2,6889	0,22797	-5,4655e-003
2,9987	-2,7159	0,21847	-1,4785e-003
3,	-2,7189	0,22127	-4,6239e-005
3,0104	-2,7405	0,21722	-6,6132e-004
3,0208	-2,7611	0,2077	-2,8639e-003
3,0312	-2,7861	0,20309	-5,0481e-003
3,0416	-2,8079	0,19948	-4,5936e-003
3,052	-2,827	0,19496	-1,5255e-003
3,0624	-2,848	0,19656	-1,4936e-003
3,0728	-2,8689	0,18802	-3,9192e-003
3,0832	-2,8899	0,18713	-5,4245e-003
3,0936	-2,9121	0,18201	-4,6369e-003
3,104	-2,9359	0,17881	-2,5332e-003
3,1145	-2,9628	0,17517	-2,3855e-003
3,1249	-2,9924	0,17159	-4,097e-003
3,1353	-3,0222	0,1728	-5,2101e-003
3,1457	-3,052	0,16675	-4,6356e-003
3,1561	-3,0823	0,18149	-2,3293e-003
3,1665	-3,1138	0,16449	-2,5825e-003
3,1769	-3,1453	0,15948	-3,7776e-003
3,1873	-3,1768	0,15808	-3,8166e-003
3,1977	-3,2083	0,15443	-3,4899e-003
3,2081	-3,2397	0,15095	-3,5513e-003
3,2185	-3,2712	0,14891	-4,6052e-003
3,2289	-3,3027	0,14848	-4,3455e-003
3,2393	-3,3341	0,14415	-3,8025e-003
3,2497	-3,3656	0,14297	-3,9103e-003
3,2601	-3,397	0,14135	-4,9033e-003
3,2705	-3,4285	0,13919	-5,5815e-003
3,2809	-3,4599	0,13659	-5,0869e-003
3,2913	-3,4914	0,1336	-4,4572e-003
3,3017	-3,5228	0,13132	-4,865e-003
3,3121	-3,5542	0,13049	-5,6572e-003
3,3225	-3,5868	0,12946	-5,8877e-003

	-3,6195	0,12618	-5,625e-003
3,3433	-3,6521	0,12475	-5,7284e-003
3,3536	-3,6848	0,12259	-6,0469e-003
3,364	-3,7067	0,12204	-6,0848e-003
3,3744	-3,7056	0,11954	-5,897e-003
3,3848	-3,7045	0,11728	-6,2295e-003
3,3952	-3,7034	0,11568	-6,8913e-003
3,4056	-3,7031	0,11449	-7,039e-003
3,4159	-3,7045	0,16747	-3,6709e-003
3,4263	-3,706	0,11672	-4,2563e-003
3,4367	-3,7022	0,1119	-5,7278e-003
3,4471	-3,63	0,1103	-5,7871e-003
3,4575	-3,5578	0,11273	-5,161e-003
3,4679	-3,4882	0,11254	-4,7778e-003
3,4783	-3,4186	0,10295	-5,6276e-003
3,4887	-3,349	0,10245	-6,4418e-003
3,4991	-3,2795	0,10191	-5,6038e-003
3,5095	-3,2099	0,10136	-4,8364e-003
3,5199	-3,1403	0,11035	-4,8562e-003
3,5303	-3,0707	9,6454e-002	-5,7538e-003
3,5406	-3,0012	9,738e-002	-5,639e-003
3,551	-2,9325	0,10006	-5,0259e-003
3,5614	-2,8649	0,1041	-4,2806e-003
3,5718	-2,7972	9,0336e-002	-4,8896e-003
3,5822	-2,7296	8,9267e-002	-5,3662e-003
3,5926	-2,6619	8,7356e-002	-5,5645e-003
3,603	-2,5939	8,9575e-002	-5,5533e-003
3,6134	-2,5259	8,6182e-002	-5,3656e-003
3,6237	-2,458	8,3769e-002	-5,7934e-003
3,6341	-2,39	8,2552e-002	-5,4269e-003
3,6445	-2,2837	8,2391e-002	-5,2516e-003
3,6549	-2,0987	8,0911e-002	-5,8799e-003
3,6653	-1,9138	7,8134e-002	-6,3969e-003
3,6756	-1,729	7,7324e-002	-6,0941e-003
3,686	-1,5451	7,5563e-002	-5,6355e-003
3,6964	-1,3614	7,4788e-002	-5,6738e-003
3,7068	-1,1777	7,3896e-002	-6,1682e-003
3,7171	-0,99416	7,3353e-002	-6,2868e-003
3,7275	-0,81058	7,156e-002	-6,0536e-003
3,7379	-0,62699	7,0365e-002	-6,1757e-003
3,7482	-0,514	7,0114e-002	-6,3257e-003
3,7586	-0,52654	6,9509e-002	-6,2332e-003
3,769	-0,54602	6,8398e-002	-6,0149e-003
3,7793	-0,53433	0,10726	-5,6261e-003
3,7897	-0,55287	0,29113	-4,8986e-003
3,8001	-0,57208	0,47496	-4,7898e-003
3,8105	-0,58991	0,65876	-6,0871e-003
3,8209	-0,60871	0,84236	-6,6057e-003
3,8313	-0,62775	1,0261	-6,1729e-003
3,8416	-0,64713	1,2099	-5,4158e-003
3,852	-0,45652	1,3937	-5,2106e-003
3,8624	-0,49555	1,5774	-6,1394e-003
3,8728	-0,50801	1,761	-6,5701e-003
3,8831	-0,51068	1,9446	-5,9439e-003
3,8935	-0,526	2,1284	-5,1615e-003
3,9039	-0,5318	2,3121	-5,2672e-003
3,9143	-0,54576	2,4958	-6,2431e-003
3,9246	-0,55068	2,6794	-6,8068e-003
3,935	-0,56117	2,8629	-6,5415e-003
3,9454	-0,57109	3,0466	-5,6614e-003
3,9558	-0,57956	3,2303	-5,5612e-003
3,9661	-0,58843	3,4139	-6,2113e-003
3,9765	-0,59599	3,5975	-6,8051e-003
3,9869	-0,60518	3,781	-6,6298e-003
3,9973	-0,612	3,9646	-5,8833e-003
4,	-0,61581	4,0133	-5,8425e-003
4,0104	-0,62356	4,1969	-6,4304e-003
4,0207	-0,63465	4,3804	-6,7027e-003
4,0311	-0,66342	4,5639	-6,4276e-003
4,0415	-0,68565	4,7475	-6,1852e-003
4,0518	-0,69966	4,931	-6,5442e-003
4,0622	-0,71539	5,1144	-6,8818e-003
4,0726	-0,7398	5,2979	-6,9304e-003
4,0829	-0,76225	5,4813	-6,9736e-003
4,0933	-0,78152	5,6647	-7,1616e-003
4,1036	-0,79408	5,848	-7,4029e-003
4,1139	-0,8269	6,0288	-7,4092e-003
4,1242	-0,84285	6,2122	-7,2644e-003
4,1346	-0,85708	6,3955	-7,4134e-003
4,1447	-0,86785	6,5754	-7,8621e-003
4,1551	-0,89109	6,7585	-7,8521e-003
4,1654	-0,91006	6,9417	-7,6906e-003
4,1758	-0,92825	7,1249	-7,574e-003
4,186	-0,93814	7,3061	-7,9108e-003
4,1962	-0,95662	7,4858	-8,0233e-003
4,2065	-0,96781	7,6688	-8,1785e-003
4,2168	-0,98781	7,8519	-7,7335e-003

	-0,99827	8,035	-8,2453e-003
4,2375	-1,0095	8,218	-8,4082e-003
4,2479	-1,0254	8,4009	-8,4287e-003
4,2582	-1,0398	8,5839	-8,3787e-003
4,2681	-0,63214	8,7596	-8,837e-004
4,2785	-0,70633	8,9425	-1,6499e-003
4,2888	-0,71643	9,1254	-2,2023e-003
4,2991	-0,71726	9,3083	-5,0692e-003
4,3094	-0,73597	9,4907	-1,9717e-003
4,3198	-0,7274	9,6741	-1,1384e-004
4,3301	-0,76707	9,8573	-2,5066e-003
4,3405	-0,76471	10,04	-4,2884e-003
4,3508	-0,77395	10,223	-4,7486e-003
4,3612	-0,76572	10,407	-2,3794e-003
4,3715	-0,77269	10,59	-2,502e-003
4,3819	-0,78082	10,773	-3,6064e-003
4,3922	-0,77856	10,956	-3,4687e-003
4,4026	-0,75847	11,14	-3,1925e-003
4,4129	-0,77028	11,323	-4,3842e-003
4,4233	-0,76481	11,506	-4,2688e-003
4,4336	-0,75159	11,689	-3,1558e-003
4,444	-0,74214	11,872	-2,5496e-003
4,4543	-0,73988	12,055	-3,3137e-003
4,4647	-0,75171	12,238	-4,6593e-003
4,475	-0,74409	12,421	-4,0944e-003
4,4853	-0,73389	12,604	-2,8962e-003
4,4957	-0,73174	12,788	-2,7031e-003
4,506	-0,73701	12,971	-3,2599e-003
4,5164	-0,73425	13,154	-3,4319e-003
4,5267	-0,72655	13,337	-3,3143e-003
4,537	-0,7188	13,52	-3,2696e-003
4,5474	-0,72529	13,703	-3,4167e-003
4,5577	-0,72269	13,886	-3,0947e-003
4,568	-0,71308	14,069	-2,5545e-003
4,5784	-0,72798	14,252	-2,8728e-003
4,5887	-0,67328	14,435	-2,0775e-003
4,5991	-0,68762	14,619	-3,4338e-005
4,6095	-0,68473	14,802	-2,5925e-003
4,6198	-0,69174	14,985	-2,2137e-003
4,6302	-0,6996	15,169	-2,7227e-003
4,6405	-0,68498	15,352	-2,3227e-003
4,6509	-0,7147	15,536	3,8559e-005
4,6613	-0,74789	15,719	-1,7038e-003
4,6716	-0,7623	15,902	-3,1901e-003
4,682	-0,76614	16,085	-3,1295e-003
4,6923	-0,76674	16,268	-1,7358e-003
4,7027	-0,77093	16,452	5,6159e-004
4,713	-0,78672	16,635	-2,7118e-003
4,7234	-0,55416	16,818	-1,5781e-003
4,7337	-0,5943	17,001	-1,2458e-003
4,744	-0,61456	17,184	5,3836e-005
4,7544	-0,62098	17,367	1,6926e-003
4,7647	-0,60106	17,551	-2,3877e-003
4,7751	-0,64188	17,734	-1,6322e-003
4,7854	-0,67921	17,917	-7,056e-004
4,7958	-0,68551	18,1	-9,2502e-004
4,8061	-0,68025	18,283	-2,2926e-003
4,8165	-0,69757	18,466	-1,3707e-003
4,8268	-0,72161	18,65	-3,1983e-004
4,8372	-0,74205	18,833	-1,3521e-003
4,8475	-0,74924	19,016	-3,1916e-003
4,8579	-0,75564	19,199	-2,7854e-003
4,8682	-0,78362	19,382	-1,1794e-003
4,8785	-0,79115	19,565	-9,2e-004
4,8889	-0,78603	19,748	-2,401e-003
4,8992	-0,77557	19,931	-3,1084e-003
4,9096	-0,68759	20,114	-1,7796e-003
4,9199	-0,70245	20,297	-1,5538e-003
4,9302	-0,65414	20,48	-1,4611e-003
4,9406	-0,62652	20,663	1,4064e-003
4,9509	-0,62003	20,846	-7,4887e-004
4,9612	-0,63077	21,029	1,4615e-003
4,9716	-0,65104	21,212	7,652e-004
4,9819	-0,6679	21,395	1,9233e-003
4,9923	-0,68699	21,578	6,8617e-004
5,	-0,69793	21,715	1,5741e-003
5,0104	-0,71482	21,898	6,0731e-004
5,0207	-0,72479	22,081	5,9985e-004
5,031	-0,73593	22,265	7,8649e-004
5,0414	-0,75655	22,448	6,2818e-004
5,0517	-0,77301	22,631	4,5526e-004
5,0621	-0,78213	22,814	7,9651e-004
5,0724	-0,78903	22,997	6,1739e-004
5,0828	-0,80664	23,18	1,7134e-004
5,0931	-0,69684	23,363	1,354e-003
5,1034	-0,69572	23,546	1,0984e-003
5,1138	-0,69168	23,729	1,4971e-003

	-0,69801	23,912	1,6166e-003
5,1344	-0,68733	24,095	1,0807e-003
5,1448	-0,69334	24,278	1,1026e-003
5,1551	-0,68974	24,461	1,1143e-003
5,1655	-0,68867	24,644	1,5631e-003
5,1758	-0,6879	24,827	1,1e-003
5,1861	-0,68869	25,01	1,0292e-003
5,1965	-0,68368	25,193	1,1213e-003
5,2068	-0,68088	25,376	1,2289e-003
5,2171	-0,67658	25,558	1,3766e-003
5,2275	-0,67617	25,741	1,2172e-003
5,2378	-0,67399	25,924	1,0726e-003
5,2481	-0,66848	26,107	1,2345e-003
5,2584	-0,66303	26,29	1,447e-003
5,2688	-0,65841	26,473	1,5081e-003
5,2791	-0,67688	26,655	1,4747e-003
5,2894	-0,6946	26,838	1,385e-003
5,2997	-0,71169	27,021	1,454e-003
5,3101	-0,73192	27,204	1,7979e-003
5,3204	-0,61112	27,387	2,6883e-003
5,3308	-0,59984	27,57	3,5592e-003
5,3411	-0,60123	27,754	6,2146e-003
5,3515	-0,60376	27,937	2,5916e-003
5,3618	-0,61876	28,12	8,0992e-004
5,3722	-0,60916	28,303	2,2275e-003
5,3825	-0,60991	28,487	3,5768e-003
5,3929	-0,60157	28,67	4,6689e-003
5,4033	-0,58328	28,853	2,1008e-003
5,4136	-0,58781	29,036	1,313e-003
5,4239	-0,58476	29,22	3,4432e-003
5,4343	-0,57698	29,403	4,5464e-003
5,4447	-0,58788	29,586	3,4268e-003
5,455	-0,5899	29,769	2,1702e-003
5,4653	-0,60888	29,952	2,3706e-003
5,4757	-0,60602	30,135	3,7351e-003
5,486	-0,62023	30,318	3,9478e-003
5,4964	-0,62736	30,501	2,5846e-003
5,5067	-0,64184	30,684	2,5447e-003
5,517	-0,67543	30,867	3,0435e-003
5,5274	-0,70255	31,05	1,4377e-003
5,5377	-0,71227	31,233	1,488e-003
5,548	-0,72475	31,416	1,8003e-003
5,5583	-0,73857	31,599	1,866e-003
5,5687	-0,77237	31,781	1,5616e-003
5,579	-0,79722	31,964	7,2162e-004
5,5893	-0,80961	32,147	5,0891e-004
5,5996	-0,82556	32,329	4,6346e-004
5,6099	-0,83877	32,512	6,4921e-004
5,6203	-0,86596	32,695	7,5724e-004
5,6306	-0,89186	32,877	7,9618e-004
5,6409	-0,90314	33,06	9,1109e-004
5,6512	-0,91846	33,243	8,973e-004
5,6615	-0,93105	33,425	1,1162e-003
5,6718	-0,94778	33,608	1,4047e-003
5,6822	-0,97046	33,79	1,2029e-003
5,6925	-0,98427	33,973	1,1212e-003
5,7028	-0,98732	34,156	1,5687e-003
5,7131	-1,0009	34,338	1,928e-003
5,7234	-0,55544	34,521	8,4556e-003
5,7337	-0,55136	34,704	8,9014e-003
5,7441	-0,5676	34,886	6,2506e-003
5,7544	-0,54982	35,069	6,6443e-003
5,7647	-0,55099	35,252	7,6593e-003
5,7751	-0,53526	35,435	8,8073e-003
5,7854	-0,56707	35,618	8,5064e-003
5,7957	-0,56945	35,801	7,2433e-003
5,8061	-0,54853	35,984	8,6141e-003
5,8164	-0,53754	36,167	9,2314e-003
5,8268	-0,5441	36,35	8,4858e-003
5,8371	-0,46128	36,533	8,5415e-003
5,8474	-0,47924	36,716	8,9224e-003
5,8577	-0,49639	36,899	9,8146e-003
5,8681	-0,51094	37,082	1,0008e-002
5,8784	-0,53315	37,265	1,01e-002
5,8887	-0,55352	37,447	7,3708e-003
5,899	-0,56803	37,63	6,4391e-003
5,9093	-0,5853	37,812	7,4044e-003
5,9197	-0,60474	37,995	7,6054e-003
5,93	-0,62746	38,177	7,8502e-003
5,9401	-0,66548	38,357	7,0652e-003
5,9504	-0,2662	38,539	1,1574e-002
5,9607	-0,28302	38,722	1,2333e-002
5,9711	-0,30345	38,905	1,4754e-002
5,9814	-0,30161	39,088	9,7804e-003
5,9917	-0,26916	39,27	9,2898e-003
6,	-0,31808	39,417	1,0699e-002
6,0103	-0,31559	39,6	1,2895e-002

	-0,37079	39,783	1,2157e-002
6,031	-0,40569	39,966	1,1408e-002
6,0414	-0,41324	40,149	1,1344e-002
6,0517	-0,42529	40,332	1,209e-002
6,062	-0,4273	40,515	1,2132e-002
6,0724	-0,46205	40,698	1,1559e-002
6,0827	-0,49873	40,881	1,1369e-002
6,093	-0,52077	41,064	1,2165e-002
6,1034	-0,51803	41,247	1,2293e-002
6,1137	-0,53209	41,43	1,1393e-002
6,124	-0,55174	41,612	1,1742e-002
6,1344	-0,59211	41,795	1,2865e-002
6,1447	-0,60402	41,978	1,2688e-002
6,155	-0,61831	42,161	1,1289e-002
6,1653	-0,62627	42,344	1,1822e-002
6,1757	-0,65117	42,527	1,3326e-002
6,186	-0,69027	42,71	1,3236e-002
6,1963	-0,70044	42,892	1,2122e-002
6,2067	-0,70777	43,075	1,1737e-002
6,217	-0,73463	43,258	1,3064e-002
6,2273	-0,7653	43,441	1,3728e-002
6,2376	-0,78315	43,623	1,2911e-002
6,248	-0,80017	43,806	1,2716e-002
6,2583	-0,82501	43,989	1,3299e-002
6,2686	-0,84634	44,171	1,367e-002
6,2789	-0,88499	44,354	1,3254e-002
6,2892	-0,8299	44,537	1,3429e-002
6,2996	-0,85226	44,72	1,4516e-002
6,3099	-0,87397	44,903	1,3681e-002
6,3202	-0,8993	45,085	1,4217e-002
6,3305	-0,9451	45,268	1,4833e-002
6,3409	-0,97243	45,451	1,4118e-002
6,3512	-0,99165	45,634	1,3898e-002
6,3615	-1,018	45,816	1,4697e-002
6,3719	-1,0564	45,999	1,5209e-002
6,3822	-1,0854	46,182	1,4718e-002
6,3925	-1,1048	46,365	1,4513e-002
6,4028	-1,0818	46,547	1,7256e-002
6,4132	-1,0918	46,73	1,6781e-002
6,4235	-1,1029	46,913	1,5687e-002
6,4338	-1,1411	47,096	1,5775e-002
6,4441	-1,1708	47,279	1,6448e-002
6,4545	-1,1876	47,461	1,616e-002
6,4648	-1,2038	47,644	1,6065e-002
6,4751	-1,2299	47,827	1,7093e-002
6,4854	-1,1698	48,01	1,7392e-002
6,4957	-1,1876	48,192	1,6471e-002
6,5061	-1,2066	48,375	1,694e-002
6,5164	-1,2373	48,558	1,7791e-002
6,5267	-1,259	48,74	1,7544e-002
6,537	-1,273	48,923	1,7341e-002
6,5473	-1,2992	49,105	1,8089e-002
6,5576	-1,3235	49,288	1,8355e-002
6,568	-1,3424	49,471	1,7954e-002
6,5783	-1,3619	49,653	1,8309e-002
6,5886	-1,3839	49,836	1,8845e-002
6,5989	-1,4077	50,018	1,8615e-002
6,6092	-1,4267	50,201	1,8688e-002
6,6195	-1,4479	50,383	1,8036e-002
6,6298	-1,4634	50,566	1,8148e-002
6,6401	-1,4848	50,748	1,8909e-002
6,6504	-1,4989	50,93	1,8991e-002
6,6607	-1,5196	51,112	1,9265e-002
6,671	-1,5333	51,295	1,9224e-002
6,6813	-1,5551	51,477	1,9161e-002
6,6916	-1,571	51,659	1,9683e-002
6,7019	-1,5894	51,841	1,9771e-002
6,7121	-1,6062	52,023	1,984e-002
6,7224	-1,6267	52,205	2,0199e-002
6,7327	-1,6453	52,387	2,0518e-002
6,743	-1,6613	52,569	2,0587e-002
6,7533	-1,6803	52,751	2,0845e-002
6,7636	-1,7	52,933	2,1195e-002
6,7738	-1,7193	53,115	2,1248e-002
6,7841	-1,7387	53,297	2,1503e-002
6,7944	-1,6922	53,479	2,2114e-002
6,8047	-1,6371	53,662	2,3192e-002
6,815	-1,6579	53,844	2,2866e-002
6,8253	-1,6702	54,026	2,0453e-002
6,8356	-1,6932	54,208	2,2167e-002
6,8459	-1,711	54,391	2,2429e-002
6,8562	-1,7332	54,573	2,1455e-002
6,8664	-0,78681	54,754	3,6357e-002
6,8768	-0,86759	54,938	4,0758e-002
6,8872	-0,95593	55,121	3,2976e-002
6,8975	-0,89595	55,304	3,2771e-002
6,9079	-0,92862	55,487	3,5741e-002

	-1,1499	55,671	3,7166e-002
6,9286	-1,2115	55,855	3,8052e-002
6,939	-1,3827	56,038	3,6705e-002
6,9493	-1,4727	56,222	3,7586e-002
6,9597	-1,6208	56,405	3,7525e-002
6,9701	-0,7703	56,589	3,6867e-002
6,9805	-0,65332	56,773	3,7721e-002
6,9908	-0,67076	56,956	3,7942e-002
7,	-0,6844	57,119	3,8533e-002
7,0104	-0,70286	57,302	3,9264e-002
7,0207	-0,71795	57,486	3,889e-002
7,0311	-0,73492	57,669	3,8497e-002
7,0415	-0,75059	57,853	3,9345e-002
7,0518	-0,76602	58,036	3,9939e-002
7,0622	-0,78256	58,22	3,9672e-002
7,0726	-0,79869	58,403	3,9742e-002
7,0829	-0,81376	58,587	4,017e-002
7,0933	-0,82891	58,77	4,0162e-002
7,1036	-0,84421	58,953	4,0305e-002
7,114	-0,85995	59,137	4,0364e-002
7,1244	-0,86974	59,32	4,0928e-002
7,1347	-0,88352	59,503	4,0802e-002
7,1451	-0,89805	59,686	4,0751e-002
7,1554	-0,90372	59,87	4,1019e-002
7,1658	-0,91733	60,053	4,1409e-002
7,1761	-0,92967	60,236	4,1465e-002
7,1865	-0,94387	60,419	4,1773e-002
7,1968	-0,95585	60,602	4,226e-002
7,2072	-0,96711	60,786	4,2467e-002
7,2175	-0,97863	60,969	4,2388e-002
7,2278	-0,98774	61,152	4,234e-002
7,2382	-0,99235	61,335	4,2616e-002
7,2485	-1,0041	61,518	4,2492e-002
7,2589	-1,0146	61,701	4,2716e-002
7,2692	-1,0209	61,884	4,2878e-002
7,2795	-1,0307	62,067	4,3194e-002
7,2899	-1,038	62,25	4,3277e-002
7,3002	-1,0438	62,433	4,399e-002
7,3106	-1,0609	62,616	4,4146e-002
7,3209	-1,0764	62,799	4,4007e-002
7,3312	-1,0923	62,982	4,4886e-002
7,3416	-1,1181	63,165	4,5778e-002
7,3519	-0,37109	63,348	5,7808e-002
7,3623	-0,38319	63,531	5,6067e-002
7,3727	-0,39603	63,716	5,3774e-002
7,383	-0,37998	63,899	5,3118e-002
7,3934	-0,38147	64,083	5,8055e-002
7,4038	-0,4118	64,267	5,424e-002
7,4142	-0,41588	64,451	5,4732e-002
7,4246	-0,43468	64,635	5,6495e-002
7,435	-0,46422	64,819	5,5719e-002
7,4454	-0,49955	65,003	5,1984e-002
7,4558	-0,53808	65,186	5,302e-002
7,4661	-0,53405	65,37	5,303e-002
7,4765	-0,55572	65,554	5,2731e-002
7,4869	-0,59994	65,737	5,3845e-002
7,4972	-0,64216	65,921	5,4448e-002
7,5076	-0,65874	66,105	5,3639e-002
7,518	-0,6791	66,288	5,3917e-002
7,5284	-0,71938	66,472	5,4435e-002
7,5387	-0,751	66,655	5,491e-002
7,5491	-0,75799	66,839	5,4553e-002
7,5595	-0,7786	67,023	5,5153e-002
7,5699	-0,78332	67,206	5,5062e-002
7,5802	-0,81724	67,39	5,5375e-002
7,5906	-0,82913	67,573	5,5816e-002
7,601	-0,84395	67,757	5,5709e-002
7,6113	-0,86607	67,94	5,6308e-002
7,6217	-0,88269	68,124	5,6832e-002
7,6321	-0,90463	68,307	5,701e-002
7,6424	-0,91544	68,491	5,7145e-002
7,6528	-0,92852	68,674	5,7299e-002
7,6632	-0,947	68,858	5,752e-002
7,6735	-1,0144	69,041	5,631e-002
7,6839	-1,218	69,225	5,6629e-002
7,6942	-1,2304	69,408	5,5885e-002
7,7046	-1,2759	69,591	5,6366e-002
7,7149	-1,2987	69,774	5,7578e-002
7,7253	-1,3291	69,958	5,7165e-002
7,7356	-1,351	70,141	5,7605e-002
7,746	-1,3759	70,324	5,8044e-002
7,7563	-1,3974	70,507	5,7949e-002
7,7667	-1,4206	70,69	5,8395e-002
7,777	-1,4471	70,873	5,8827e-002
7,7873	-1,4669	71,056	5,8799e-002
7,7977	-1,49	71,239	5,8704e-002
7,808	-1,5079	71,422	5,9165e-002

	-1,531	71,605	5,9169e-002
7,8287	-1,5424	71,788	5,944e-002
7,839	-1,5517	71,971	5,9999e-002
7,8494	-1,5549	72,154	6,0097e-002
7,8597	-1,5196	72,337	6,0575e-002
7,8701	-2,3447	72,52	6,324e-002
7,8804	-2,3793	72,703	6,3749e-002
7,8908	-2,4185	72,888	6,4522e-002
7,9012	-2,4612	73,071	6,1277e-002
7,9115	-2,4923	73,254	5,9641e-002
7,9215	-2,5304	73,432	1,2233e-002
7,9316	-2,5581	73,61	2,2946e-002
7,9418	-2,5937	73,79	3,1591e-002
7,952	-2,6293	73,971	2,5746e-002
7,9621	-2,6523	74,15	3,316e-002
7,9723	-2,6743	74,331	2,5588e-002
7,9825	-2,7076	74,51	2,3378e-002
7,9926	-2,7629	74,69	2,3413e-002
8,	-2,7849	74,82	2,4588e-002
8,0101	-2,7926	75,	2,5201e-002
8,0203	-2,832	75,18	3,0074e-002
8,0305	-2,8395	75,36	3,8967e-002
8,0407	-2,8915	75,54	3,8404e-002
8,0508	-2,9209	75,72	3,7614e-002
8,061	-2,9292	75,9	3,9208e-002
8,0712	-2,954	76,08	3,7578e-002
8,0813	-1,4768	76,26	4,2447e-002
8,0915	-1,4294	76,44	5,0537e-002
8,1017	-1,4032	76,621	5,7846e-002
8,112	-0,77496	76,802	5,7272e-002
8,1222	-0,77072	76,983	5,8603e-002
8,1324	-0,77568	77,164	6,0762e-002
8,1426	-0,85767	77,345	6,2894e-002
8,1529	-0,86307	77,527	6,285e-002
8,1631	-0,86981	77,708	6,2921e-002
8,1733	-0,93306	77,889	6,7333e-002
8,1836	-1,0228	78,07	6,9435e-002
8,1938	-1,0566	78,251	6,8864e-002
8,2041	-1,0907	78,433	7,0329e-002
8,2143	-1,1401	78,614	7,247e-002
8,2245	-1,2214	81,646	7,4901e-002
8,2348	-1,2756	84,755	7,5153e-002
8,245	-1,3222	87,86	7,662e-002
8,2552	-1,3779	90,963	7,894e-002
8,2654	-1,4452	94,07	8,0121e-002
8,2757	-1,5122	97,179	8,224e-002
8,2859	-1,5648	100,28	8,3191e-002
8,2961	-1,6259	103,39	8,4625e-002
8,3064	-1,6781	106,49	8,7019e-002
8,3166	-1,7357	109,6	8,8805e-002
8,3268	-1,8003	112,7	8,9424e-002
8,337	-1,86	115,8	9,1563e-002
8,3473	-1,9026	118,91	9,331e-002
8,3575	-1,9473	122,01	9,4404e-002
8,3677	-2,0135	125,11	9,6052e-002
8,3779	-2,0595	128,22	9,779e-002
8,3881	-2,0982	131,32	9,9585e-002
8,3984	-2,1428	134,42	0,10068
8,4086	-2,198	137,52	0,10253
8,4188	-2,25	140,62	0,10459
8,429	-2,298	143,73	0,10587
8,4392	-2,3522	146,83	0,10739
8,4494	-2,4013	149,93	0,1092
8,4597	-2,4492	153,03	0,11093
8,4699	-2,5038	156,13	0,11245
8,4801	-2,5538	159,23	0,11432
8,4903	-0,82322	162,34	0,12166
8,5006	-0,74334	165,45	0,12408
8,5108	-0,72409	168,57	0,12831
8,5211	-0,64572	171,69	0,12863
8,5314	-0,60977	174,81	0,13188
8,5417	-0,67216	177,93	0,13268
8,552	-0,80665	181,05	0,134
8,5622	-0,76504	184,16	0,13561
8,5725	-0,73262	187,29	0,13587
8,5828	-0,7346	190,41	0,1388
8,5931	-0,7478	193,53	0,14193
8,6033	-0,80719	196,65	0,14182
8,6136	-0,82152	199,77	0,14226
8,6239	-0,78829	202,89	0,14427
8,6342	-0,80998	206,01	0,14703
8,6445	-0,86221	209,13	0,14922
8,6547	-0,91056	212,25	0,15042
8,665	-0,92809	215,38	0,1521
8,6753	-0,9372	218,5	0,15325
8,6856	-0,94478	221,62	0,1548
8,6959	-0,97976	224,74	0,15716

	-1,0308	227,86	0,16007
8,7165	-1,0708	230,99	0,16154
8,7267	-1,0776	234,11	0,16264
8,737	-1,0582	237,23	0,16391
8,7473	-1,0691	240,36	0,16578
8,7576	-1,1079	243,48	0,16792
8,7679	-1,1409	246,6	0,16832
8,7782	-1,1443	249,72	0,17045
8,7884	-1,1299	252,84	0,17215
8,7987	-1,1275	255,96	0,17422
8,809	-1,1642	259,09	0,17543
8,8193	-1,2061	262,21	0,17643
8,8296	-1,2175	265,33	0,17899
8,8398	-1,1903	268,45	0,18111
8,8501	-1,1678	271,57	0,18307
8,8604	-1,1758	274,69	0,18473
8,8707	-1,2137	277,81	0,18655
8,881	-1,2423	280,94	0,18836
8,8913	-1,2335	284,06	0,1898
8,9016	-1,2219	287,18	0,19143
8,9118	-1,1871	290,31	0,19437
8,9221	-1,1885	293,43	0,19631
8,9324	-1,1825	296,56	0,19815
8,9427	-1,206	299,68	0,19966
8,953	-1,2104	302,81	0,20155
8,9633	-1,2248	305,93	0,20334
8,9736	-1,2216	309,06	0,20503
8,9839	-1,197	312,19	0,20733
8,9942	-1,1737	315,31	0,20981
9,	-1,1759	317,07	0,21044
9,0103	-1,1791	320,2	0,21258
9,0206	-1,1633	323,33	0,2146
9,0309	-1,8257	326,46	0,21731
9,0412	-2,828	329,57	0,21992
9,0515	-2,8804	332,71	0,22156
9,0618	-2,6932	335,84	0,22423
9,0722	-2,6562	338,98	0,22622
9,0825	-2,6318	342,11	0,22843
9,0928	-2,475	345,25	0,22964
9,1031	-2,4738	348,38	0,23183
9,1135	-2,4861	351,52	0,23363
9,1238	-2,4923	354,65	0,23567
9,1341	-2,5084	357,78	0,23735
9,1444	-2,5378	360,92	0,23943
9,1548	-1,6341	364,05	0,24627
9,1651	-1,568	367,19	0,24775
9,1754	-1,5463	370,33	0,25101
9,1858	-1,5739	373,47	0,25178
9,1961	-1,5852	376,6	0,25351
9,2064	-1,5965	379,74	0,25613
9,2168	-1,6046	382,88	0,2583
9,2271	-1,5935	386,02	0,26023
9,2375	-1,5862	389,16	0,26235
9,2478	-1,5922	392,3	0,26457
9,2581	-1,5934	395,44	0,26597
9,2685	-1,5915	398,58	0,26785
9,2788	-1,6017	401,72	0,27029
9,2892	-1,5992	404,86	0,27234
9,2995	-1,6139	408,	0,27423
9,3093	-0,85378	410,96	0,27277
9,3196	-0,97102	414,09	0,28501
9,3299	-0,94419	417,23	0,28392
9,3403	-0,9083	420,37	0,28038
9,3506	-0,92882	423,51	0,28317
9,361	-0,95009	426,66	0,28953
9,3713	-0,92956	429,8	0,29091
9,3817	-0,88856	432,94	0,29425
9,392	-0,90696	436,09	0,29691
9,4024	-0,92037	439,22	0,29794
9,4127	-0,89779	442,37	0,30071
9,4231	-0,86836	445,51	0,30291
9,4334	-0,88788	448,66	0,30481
9,4438	-0,9193	451,8	0,30626
9,4541	-0,93288	454,94	0,30701
9,4645	-0,92942	458,08	0,30925
9,4748	-0,90364	461,22	0,31173
9,4852	-0,87424	464,37	0,31465
9,4955	-0,87834	467,51	0,31752
9,5059	-0,88936	470,66	0,31894
9,5163	-0,89397	473,8	0,3199
9,5266	-0,89098	476,94	0,32193
9,537	-0,87142	480,09	0,31795
9,5473	-0,87953	483,22	0,3162
9,5576	-0,8751	486,36	0,32017
9,568	-0,92107	489,5	0,32211
9,5783	-0,91985	492,63	0,32176
9,5886	-0,90334	495,77	0,32464



	-0,88488	498,91	0,32763
9,6093	-0,89199	502,05	0,32852
9,6196	-0,90211	505,18	0,33161
9,63	-0,90961	508,33	0,33282
9,6403	-0,90994	511,47	0,33331
9,6507	-0,90861	514,6	0,33637
9,661	-0,90025	517,74	0,33867
9,6714	-0,90365	520,88	0,34071
9,6817	-0,90355	524,02	0,34333
9,692	-0,90284	527,16	0,34501
9,7024	-0,9178	530,3	0,34588
9,7127	-0,92564	533,44	0,34735
9,7231	-0,92132	536,58	0,34974
9,7334	-0,92245	539,73	0,35251
9,7438	-0,92122	542,87	0,35474
9,7541	-0,92547	546,01	0,35679
9,7645	-0,93508	549,15	0,35855
9,7748	-0,94113	552,29	0,35997
9,7851	-0,93462	555,43	0,362
9,7955	-0,92949	558,57	0,36455
9,8058	-0,92981	561,71	0,36691
9,8162	-0,94005	564,85	0,36881
9,8265	-0,94927	567,99	0,37071
9,8369	-0,94993	571,14	0,37247
9,8472	-0,9463	574,28	0,37461
9,8576	-0,94177	577,42	0,37689
9,8679	-0,94097	580,56	0,37925
9,8783	-0,94906	583,7	0,38129
9,8886	-0,95435	586,85	0,38308
9,899	-0,95386	589,99	0,38505
9,9093	-0,9529	593,13	0,38694
9,9197	-0,9519	596,27	0,38921
9,93	-0,95338	599,42	0,3752
9,9404	-0,95042	602,55	0,38328
9,9507	-0,95995	605,69	0,38615
9,9611	-0,93665	608,83	0,38418
9,9714	-0,96585	611,97	0,38876
9,9817	-0,94455	615,11	0,39022
9,9921	-0,97592	618,25	0,39223
10,	-0,95416	620,66	0,3941
10,01	-0,97714	623,79	0,39602
10,021	-0,97835	626,93	0,39745
10,031	-0,96762	630,07	0,39877
10,041	-0,97263	633,21	0,40094
10,052	-0,97625	636,35	0,40407
10,062	-0,9688	639,49	0,40571
10,072	-0,96142	642,63	0,40844
10,083	-0,96349	645,77	0,41064
10,093	-0,96828	648,91	0,41204
10,103	-0,96979	652,05	0,41412
10,114	-0,97982	655,19	0,41578
10,124	-0,97281	658,32	0,40503
10,134	-0,98806	661,46	0,4117
10,145	-0,96568	664,59	0,41052
10,155	-0,96399	667,72	0,41368
10,165	-0,95628	670,85	0,41723
10,176	-0,99097	673,99	0,41752
10,186	-0,97891	677,12	0,41968
10,196	-0,94744	680,26	0,42296
10,207	-0,96659	683,39	0,42438
10,217	-0,97687	686,53	0,42693
10,227	-0,96774	689,66	0,4289
10,238	-0,96703	692,8	0,43014
10,248	-0,98901	695,94	0,43252
10,258	-0,97859	699,07	0,43422
10,269	-0,97927	702,21	0,43621
10,279	-0,9864	705,35	0,43832
10,289	-0,98779	708,48	0,44023
10,3	-0,97345	711,62	0,44278
10,31	-0,97757	714,76	0,44461
10,32	-0,97938	717,89	0,44636
10,331	-0,9769	721,03	0,44862
10,341	-0,97884	724,17	0,45074
10,351	-0,97978	727,31	0,45237
10,362	-0,9793	730,45	0,45461
10,372	-0,98362	733,59	0,45687
10,382	-0,98508	736,73	0,45901
10,393	-0,98121	739,87	0,46098
10,403	-0,98136	743,01	0,46313
10,413	-0,98484	746,15	0,46518
10,424	-0,99031	749,29	0,46699
10,434	-0,98435	752,43	0,46901
10,444	-0,98519	755,57	0,47121
10,455	-0,99102	758,71	0,47308
10,465	-0,99112	761,85	0,47506
10,475	-0,98985	764,99	0,47719
10,486	-0,99497	768,13	0,47526

	-1,0057	771,26	0,46898
10,506	-0,99978	774,4	0,47338
10,517	-0,99644	777,53	0,47689
10,527	-1,0203	780,67	0,47494
10,537	-1,0166	783,81	0,47772
10,548	-0,99559	786,94	0,4819
10,558	-0,99657	790,08	0,48337
10,568	-0,98649	793,21	0,48547
10,579	-0,96586	796,35	0,48764
10,589	-0,9698	799,49	0,48965
10,599	-0,96862	802,63	0,49171
10,61	-0,97213	805,76	0,49339
10,62	-0,98216	808,9	0,49603
10,63	-1,1858	812,03	0,47794
10,641	-1,7566	815,11	0,47916
10,651	-2,0552	818,22	0,48115
10,661	-2,2079	821,33	0,4801
10,671	-2,3859	824,43	0,48865
10,682	-2,3585	827,55	0,48949
10,692	-2,4782	830,67	0,48531
10,702	-1,9977	833,76	0,47453
10,712	-1,5993	836,85	0,47835
10,722	-1,4396	839,95	0,48719
10,733	-1,3826	843,06	0,48573
10,743	-1,4721	846,16	0,48406
10,753	-2,3159	849,25	0,48357
10,763	-1,994	852,36	0,4889
10,773	-1,4268	855,48	0,49091
10,784	-1,4689	858,58	0,49065
10,794	-1,5036	861,67	0,49397
10,804	-1,4784	864,78	0,49747
10,814	-1,5073	867,89	0,49921
10,825	-1,5838	871,	0,49883
10,835	-1,6115	874,1	0,50195
10,845	-1,5961	877,2	0,50611
10,855	-1,6342	880,31	0,50716
10,866	-1,692	883,42	0,50811
10,876	-1,7198	886,52	0,51077
10,886	-1,7185	889,63	0,51377
10,896	-1,7402	892,74	0,51515
10,906	-1,808	895,84	0,51608
10,917	-1,8244	898,95	0,51882
10,927	-1,8306	902,06	0,52201
10,937	-1,8722	905,16	0,52357
10,947	-1,9818	908,27	0,52509
10,958	-2,015	911,38	0,52781
10,968	-2,0373	914,48	0,52939
10,978	-2,1044	917,59	0,53127
10,988	-2,1718	920,7	0,53292
10,999	-2,2853	923,8	0,53548
11,	-2,3258	924,24	0,53617
11,01	-2,3149	927,34	0,53641
11,02	-2,5286	930,34	0,55885
11,03	-8,9285	933,41	0,61104
11,04	-15,272	936,45	0,63157
11,05	-21,619	939,49	0,66234
11,06	-27,954	942,52	0,7013
11,07	-34,341	945,58	0,74473
11,08	-40,732	948,65	0,78664
11,091	-47,157	951,72	0,83389
11,101	-53,569	954,8	0,86542
11,111	-59,96	957,86	0,89835
11,121	-66,348	962,16	0,93616
11,131	-72,706	1050,7	0,97814
11,141	-79,115	1139,9	1,0228
11,151	-85,526	1229,2	1,0654
11,161	-91,941	1318,5	1,1042
11,171	-98,356	1407,8	1,1396
11,181	-104,74	1496,8	1,1743
11,192	-111,13	1585,7	1,2131
11,202	-117,53	1674,8	1,2546
11,212	-123,93	1763,9	1,2971
11,222	-130,34	1853,2	1,3373
11,232	-136,75	1942,4	1,3742
11,242	-143,15	2031,5	1,4113
11,252	-149,54	2120,5	1,4475
11,262	-155,93	2209,5	1,4878
11,272	-162,33	2298,6	1,5278
11,282	-168,73	2387,7	1,5662
11,293	-175,12	2476,7	1,604
11,303	-181,51	2565,7	1,6429
11,313	-187,9	2654,7	1,6817
11,323	-194,3	2743,7	1,7218
11,333	-200,69	2832,7	1,7622
11,343	-207,09	2921,8	1,8014
11,353	-213,49	3010,9	1,8397
11,363	-219,88	3099,9	1,8774

	-226,22	3188,2	1,9346
11,383	-232,6	3277,	2,0022
11,393	-238,99	3365,9	2,0682
11,403	-245,38	3455,	2,1404
11,414	-251,78	3544,1	2,2076
11,424	-258,17	3633,1	2,2733
11,434	-264,56	3722,1	2,3406
11,444	-270,95	3811,1	2,4086
11,454	-277,34	3900,	2,4775
11,464	-283,73	3989,	2,5473
11,474	-290,13	4078,1	2,6157
11,484	-296,53	4167,1	2,6832
11,494	-302,92	4256,1	2,7502
11,504	-309,31	4345,1	2,8171
11,514	-315,7	4434,1	2,8849
11,524	-322,09	4523,1	2,9537
11,535	-328,48	4612,1	3,0228
11,545	-334,88	4701,1	3,0916
11,555	-341,27	4790,2	3,1595
11,565	-347,67	4879,2	3,2269
11,575	-354,06	4968,2	3,2943
11,585	-360,45	5057,2	3,3622
11,595	-366,84	5146,2	3,4306
11,605	-373,24	5235,2	3,4993
11,615	-379,63	5324,3	3,5677
11,625	-386,02	5413,3	3,6356
11,636	-392,42	5502,3	3,7034
11,646	-398,81	5591,3	3,7712
11,656	-405,2	5680,3	3,8391
11,666	-411,6	5769,3	3,9072
11,676	-417,99	5858,4	3,9756
11,686	-424,38	5947,4	4,044
11,696	-430,77	6036,4	4,1121
11,706	-437,17	6125,4	4,1801
11,716	-443,56	6214,4	4,2482
11,726	-449,95	6303,4	4,3162
11,736	-456,35	6392,4	4,3841
11,746	-462,74	6481,4	4,4519
11,757	-469,13	6570,4	4,5188
11,767	-475,52	6659,4	4,5868
11,777	-481,91	6748,4	4,655
11,787	-488,3	6837,3	4,7224
11,797	-494,68	6926,2	4,7898
11,807	-501,07	7015,2	4,8583
11,817	-507,46	7104,2	4,9267
11,827	-513,85	7193,2	4,9948
11,837	-520,24	7282,1	5,0629
11,847	-526,64	7371,1	5,1308
11,857	-533,02	7460,1	5,1982
11,868	-539,41	7549,1	5,266
11,878	-545,8	7638,	5,3343
11,888	-552,19	7727,	5,4029
11,898	-558,58	7816,	5,4711
11,908	-564,97	7905,	5,5392
11,918	-571,37	7994,	5,6069
11,928	-577,76	8082,9	5,6746
11,938	-584,15	8171,9	5,7424
11,948	-590,54	8260,9	5,8106
11,958	-596,92	8349,8	5,8789
11,968	-603,32	8438,8	5,9471
11,978	-609,71	8527,8	6,0152
11,989	-616,1	8616,8	6,083
11,999	-622,49	8705,8	6,1508
12,	-623,35	8717,7	6,1598
12,01	-629,74	8806,7	6,2279
12,02	-636,13	8895,7	6,2961
12,03	-642,52	8984,7	6,3643
12,04	-648,91	9073,7	6,4323
12,05	-655,3	9162,7	6,5002
12,061	-661,69	9251,6	6,5681
12,071	-668,08	9340,6	6,636
12,081	-674,47	9429,6	6,7041
12,091	-680,86	9518,6	6,7723
12,101	-687,26	9607,6	6,8404
12,111	-693,65	9696,6	6,9084
12,121	-700,04	9785,6	6,9763
12,131	-706,43	9874,6	7,0442
12,141	-712,82	9963,5	7,1122
12,151	-719,21	10053	7,1803
12,161	-725,6	10142	7,2485
12,171	-731,99	10231	7,3165
12,182	-738,38	10319	7,3844
12,192	-744,78	10408	7,4523
12,202	-751,17	10497	7,5203
12,212	-757,56	10586	7,5884
12,222	-763,95	10675	7,6565
12,232	-770,34	10764	7,7246

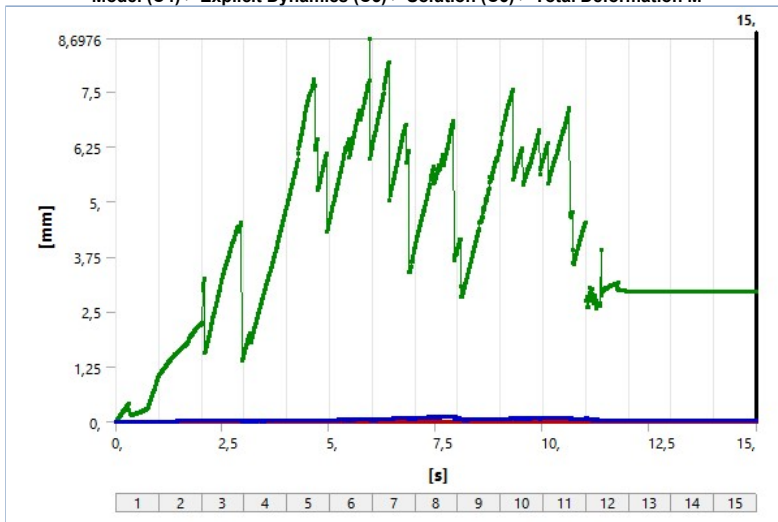
	-776,73	10853	7,7926
12,252	-783,12	10942	7,8605
12,262	-789,51	11031	7,9285
12,272	-795,9	11120	7,9964
12,282	-802,29	11209	8,0645
12,293	-808,69	11298	8,1326
12,303	-815,08	11387	8,2007
12,313	-821,47	11476	8,2687
12,323	-827,86	11565	8,3367
12,333	-834,25	11654	8,4046
12,343	-840,64	11743	8,4726
12,353	-847,03	11832	8,5406
12,363	-853,42	11921	8,6087
12,373	-859,81	12010	8,6768
12,383	-866,21	12099	8,7449
12,393	-872,6	12188	8,8129
12,404	-878,99	12277	8,8808
12,414	-885,38	12366	8,9488
12,424	-891,77	12455	9,0168
12,434	-898,16	12544	9,0848
12,444	-904,55	12633	9,1529
12,454	-910,94	12722	9,221
12,464	-917,33	12811	9,289
12,474	-923,73	12900	9,357
12,484	-930,12	12989	9,4249
12,494	-936,51	13078	9,4929
12,504	-942,9	13167	9,561
12,514	-949,29	13256	9,629
12,525	-955,68	13345	9,6971
12,535	-962,07	13434	9,7651
12,545	-968,46	13523	9,8331
12,555	-974,86	13612	9,9011
12,565	-981,25	13701	9,9691
12,575	-987,64	13790	10,037
12,585	-994,03	13879	10,105
12,595	-1000,4	13968	10,173
12,605	-1006,8	14057	10,241
12,615	-1013,2	14146	10,309
12,625	-1019,6	14235	10,377
12,636	-1026,	14324	10,445
12,646	-1032,4	14413	10,513
12,656	-1038,8	14502	10,581
12,666	-1045,2	14591	10,649
12,676	-1051,5	14680	10,717
12,686	-1057,9	14769	10,785
12,696	-1064,3	14858	10,853
12,706	-1070,7	14947	10,921
12,716	-1077,1	15036	10,989
12,726	-1083,5	15125	11,057
12,736	-1089,9	15214	11,125
12,747	-1096,3	15303	11,194
12,757	-1102,7	15392	11,262
12,767	-1109,1	15481	11,33
12,777	-1115,5	15570	11,398
12,787	-1121,9	15659	11,466
12,797	-1128,2	15748	11,534
12,807	-1134,6	15837	11,602
12,817	-1141,	15926	11,67
12,827	-1147,4	16015	11,738
12,837	-1153,8	16104	11,806
12,847	-1160,2	16193	11,874
12,857	-1166,6	16282	11,942
12,868	-1173,	16371	12,01
12,878	-1179,4	16460	12,078
12,888	-1185,8	16549	12,146
12,898	-1192,2	16638	12,214
12,908	-1198,5	16727	12,282
12,918	-1204,9	16816	12,35
12,928	-1211,3	16905	12,418
12,938	-1217,7	16994	12,486
12,948	-1224,1	17083	12,554
12,958	-1230,5	17172	12,622
12,968	-1236,9	17261	12,69
12,979	-1243,3	17350	12,758
12,989	-1249,7	17439	12,826
12,999	-1256,1	17528	12,894
13,	-1256,9	17539	12,903
13,01	-1263,3	17628	12,971
13,02	-1269,7	17717	13,039
13,03	-1276,1	17806	13,107
13,04	-1282,5	17895	13,175
13,05	-1288,8	17984	13,243
13,061	-1295,2	18073	13,311
13,071	-1301,6	18162	13,379
13,081	-1308,	18251	13,447
13,091	-1314,4	18340	13,515
13,101	-1320,8	18429	13,583

	-1327,2	18518	13,651
13,121	-1333,6	18607	13,719
13,131	-1340,	18696	13,787
13,141	-1346,4	18785	13,855
13,151	-1352,8	18874	13,923
13,161	-1359,1	18963	13,991
13,171	-1365,5	19052	14,059
13,182	-1371,9	19141	14,127
13,192	-1378,3	19230	14,195
13,202	-1384,7	19319	14,263
13,212	-1391,1	19408	14,331
13,222	-1397,5	19497	14,399
13,232	-1403,9	19586	14,467
13,242	-1410,3	19675	14,535
13,252	-1416,7	19764	14,603
13,262	-1423,1	19853	14,671
13,272	-1429,5	19942	14,739
13,282	-1435,8	20031	14,807
13,293	-1442,2	20120	14,875
13,303	-1448,6	20209	14,943
13,313	-1455,	20298	15,011
13,323	-1461,4	20387	15,079
13,333	-1467,8	20476	15,147
13,343	-1474,2	20565	15,215
13,353	-1480,6	20654	15,283
13,363	-1487,	20743	15,352
13,373	-1493,4	20832	15,42
13,383	-1499,8	20921	15,488
13,393	-1506,1	21010	15,556
13,404	-1512,5	21099	15,624
13,414	-1518,9	21188	15,692
13,424	-1525,3	21277	15,76
13,434	-1531,7	21366	15,828
13,444	-1538,1	21455	15,896
13,454	-1544,5	21544	15,964
13,464	-1550,9	21633	16,032
13,474	-1557,3	21722	16,1
13,484	-1563,7	21811	16,168
13,494	-1570,1	21900	16,236
13,504	-1576,5	21989	16,304
13,515	-1582,8	22078	16,372
13,525	-1589,2	22167	16,44
13,535	-1595,6	22256	16,508
13,545	-1602,	22345	16,576
13,555	-1608,4	22434	16,644
13,565	-1614,8	22523	16,712
13,575	-1621,2	22612	16,78
13,585	-1627,6	22701	16,848
13,595	-1634,	22790	16,916
13,605	-1640,4	22879	16,984
13,615	-1646,8	22968	17,052
13,625	-1653,1	23057	17,12
13,636	-1659,5	23146	17,188
13,646	-1665,9	23235	17,256
13,656	-1672,3	23324	17,324
13,666	-1678,7	23413	17,392
13,676	-1685,1	23502	17,46
13,686	-1691,5	23590	17,528
13,696	-1697,9	23679	17,596
13,706	-1704,3	23768	17,664
13,716	-1710,7	23857	17,732
13,726	-1717,1	23946	17,8
13,736	-1723,5	24035	17,868
13,747	-1729,8	24124	17,936
13,757	-1736,2	24213	18,004
13,767	-1742,6	24302	18,072
13,777	-1749,	24391	18,14
13,787	-1755,4	24480	18,208
13,797	-1761,8	24569	18,276
13,807	-1768,2	24658	18,345
13,817	-1774,6	24747	18,413
13,827	-1781,	24836	18,481
13,837	-1787,4	24925	18,549
13,847	-1793,8	25014	18,617
13,858	-1800,2	25103	18,685
13,868	-1806,5	25192	18,753
13,878	-1812,9	25281	18,821
13,888	-1819,3	25370	18,889
13,898	-1825,7	25459	18,957
13,908	-1832,1	25548	19,025
13,918	-1838,5	25637	19,093
13,928	-1844,9	25726	19,161
13,938	-1851,3	25815	19,229
13,948	-1857,7	25904	19,297
13,958	-1864,1	25993	19,365
13,968	-1870,5	26082	19,433
13,979	-1876,9	26171	19,501

	-1883,2	26260	19,569
13,999	-1889,6	26349	19,637
14,	-1890,4	26360	19,645
14,01	-1896,8	26449	19,714
14,02	-1903,2	26538	19,782
14,03	-1909,6	26627	19,85
14,04	-1916,	26716	19,918
14,05	-1922,4	26805	19,986
14,061	-1928,8	26894	20,054
14,071	-1935,2	26983	20,122
14,081	-1941,6	27072	20,19
14,091	-1948,	27161	20,258
14,101	-1954,3	27250	20,326
14,111	-1960,7	27339	20,394
14,121	-1967,1	27428	20,462
14,131	-1973,5	27517	20,53
14,141	-1979,9	27606	20,598
14,151	-1986,3	27695	20,666
14,161	-1992,7	27784	20,734
14,172	-1999,1	27873	20,802
14,182	-2005,5	27962	20,87
14,192	-2011,9	28051	20,938
14,202	-2018,3	28140	21,006
14,212	-2024,6	28229	21,074
14,222	-2031,	28318	21,142
14,232	-2037,4	28407	21,21
14,242	-2043,8	28496	21,278
14,252	-2050,2	28585	21,346
14,262	-2056,6	28674	21,414
14,272	-2063,	28763	21,482
14,282	-2069,4	28852	21,55
14,293	-2075,8	28941	21,618
14,303	-2082,2	29030	21,686
14,313	-2088,6	29119	21,754
14,323	-2094,9	29208	21,822
14,333	-2101,3	29297	21,89
14,343	-2107,7	29386	21,958
14,353	-2114,1	29475	22,026
14,363	-2120,5	29564	22,094
14,373	-2126,9	29653	22,162
14,383	-2133,3	29742	22,23
14,393	-2139,7	29831	22,298
14,404	-2146,1	29920	22,366
14,414	-2152,5	30009	22,434
14,424	-2158,8	30098	22,502
14,434	-2165,2	30187	22,57
14,444	-2171,6	30276	22,638
14,454	-2178,	30365	22,706
14,464	-2184,4	30454	22,774
14,474	-2190,8	30543	22,842
14,484	-2197,2	30632	22,91
14,494	-2203,6	30721	22,978
14,504	-2210,	30809	23,046
14,514	-2216,3	30898	23,114
14,525	-2222,7	30987	23,182
14,535	-2229,1	31076	23,25
14,545	-2235,5	31165	23,318
14,555	-2241,9	31254	23,386
14,565	-2248,3	31343	23,454
14,575	-2254,7	31432	23,522
14,585	-2261,1	31521	23,59
14,595	-2267,5	31610	23,658
14,605	-2273,9	31699	23,726
14,615	-2280,2	31788	23,794
14,625	-2286,6	31877	23,862
14,635	-2293,	31966	23,93
14,646	-2299,4	32055	23,998
14,656	-2305,8	32144	24,066
14,666	-2312,2	32233	24,134
14,676	-2318,6	32322	24,202
14,686	-2325,	32411	24,27
14,696	-2331,4	32500	24,338
14,706	-2337,7	32589	24,406
14,716	-2344,1	32678	24,474
14,726	-2350,5	32767	24,542
14,736	-2356,9	32856	24,61
14,746	-2363,3	32944	24,678
14,756	-2369,7	33033	24,746
14,767	-2376,1	33122	24,814
14,777	-2382,5	33211	24,882
14,787	-2388,8	33300	24,95
14,797	-2395,2	33389	25,018
14,807	-2401,6	33478	25,086
14,817	-2408,	33567	25,154
14,827	-2414,4	33656	25,222
14,837	-2420,8	33745	25,29
14,847	-2427,1	33834	25,358

	-2433,5	33923	25,426
14,867	-2439,9	34011	25,494
14,877	-2446,3	34100	25,561
14,887	-2452,7	34189	25,629
14,898	-2459,1	34278	25,697
14,908	-2465,5	34367	25,765
14,918	-2471,8	34456	25,833
14,928	-2478,2	34545	25,901
14,938	-2484,6	34634	25,969
14,948	-2491,	34723	26,037
14,958	-2497,4	34811	26,105
14,968	-2503,8	34900	26,173
14,978	-2510,1	34989	26,241
14,988	-2516,5	35078	26,309
14,998	-2522,9	35167	26,377
15,	-2524,	35182	26,388

**FIGURE 41**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Total Deformation M



**TABLE 34**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Total Deformation M

Time [s]	Minimum [mm]	Maximum [mm]	Average [mm]
1,1755e-038		0,	0,
1,0443e-002		1,1137e-002	9,6976e-005
2,0904e-002		2,5415e-002	2,1931e-004
3,1366e-002		3,957e-002	3,379e-004
4,1827e-002		5,3601e-002	4,5675e-004
5,2289e-002		6,7504e-002	5,776e-004
6,275e-002		8,1385e-002	7,0116e-004
7,3211e-002		9,5255e-002	8,2909e-004
8,3672e-002		0,10914	9,5933e-004
9,4132e-002		0,12308	1,0939e-003
0,10459		0,13713	1,2328e-003
0,11505		0,1513	1,3773e-003
0,12551		0,16562	1,5277e-003
0,13597		0,18012	1,6841e-003
0,14643		0,1948	1,8464e-003
0,15689		0,20968	2,015e-003
0,16735		0,22476	2,1908e-003
0,17781		0,24004	2,3741e-003
0,18826		0,25552	2,5653e-003
0,19872		0,27119	2,7643e-003
0,20918		0,28704	2,971e-003
0,21963		0,30304	3,1861e-003
0,23009		0,31918	3,4099e-003
0,24054		0,33543	3,6436e-003
0,25099		0,35173	3,8873e-003
0,26145		0,368	4,1422e-003
0,2719		0,384	4,4114e-003
0,28235		0,39907	4,7043e-003
0,2928		0,41076	5,0478e-003
0,30326		0,40636	5,5386e-003
0,31371		0,27053	5,9132e-003
0,32417		0,18565	4,9455e-003
0,33464		0,16674	3,4831e-003
0,3451		0,16337	3,1725e-003
0,35556		0,15506	3,8607e-003
0,36602		0,1572	4,2841e-003
0,37648		0,15654	3,6877e-003
0,38694		0,1585	3,2689e-003
0,3974		0,16118	3,2737e-003
0,40786		0,16585	3,7949e-003
0,41832		0,16838	3,6888e-003

0,42878	0,1703	3,282e-003
0,43924	0,17222	3,2709e-003
0,4497	0,17697	3,7194e-003
0,46016	0,17982	3,4584e-003
0,47062	0,18208	3,3146e-003
0,48108	0,18523	3,3403e-003
0,49154	0,18951	3,5127e-003
0,502	0,19319	3,6098e-003
0,51246	0,19644	3,411e-003
0,52292	0,1999	3,4324e-003
0,53337	0,20342	3,55e-003
0,54383	0,20754	3,6034e-003
0,55429	0,21106	3,5574e-003
0,56475	0,2148	3,4483e-003
0,57521	0,21868	3,6668e-003
0,58567	0,22348	3,7215e-003
0,59613	0,22759	3,5764e-003
0,60658	0,23156	3,5127e-003
0,61704	0,23638	3,7088e-003
0,6275	0,24132	3,943e-003
0,63796	0,24598	3,9514e-003
0,64842	0,2518	3,8155e-003
0,65887	0,25779	3,872e-003
0,66933	0,26392	4,1204e-003
0,67979	0,27036	4,3252e-003
0,69025	0,27665	4,3165e-003
0,70071	0,28306	4,2803e-003
0,71117	0,28969	4,4413e-003
0,72162	0,29595	4,5727e-003
0,73208	0,30275	4,6655e-003
0,74254	0,30987	4,7685e-003
0,753	0,3226	4,9628e-003
0,76346	0,352	5,0589e-003
0,77392	0,38177	5,1918e-003
0,78438	0,41225	5,4426e-003
0,79484	0,44288	5,693e-003
0,80529	0,46543	5,4766e-003
0,81575	0,49822	5,9266e-003
0,82621	0,52993	6,3848e-003
0,83667	0,56099	6,4333e-003
0,84713	0,59162	6,445e-003
0,85759	0,62338	6,6372e-003
0,86805	0,6547	6,97e-003
0,8785	0,68644	7,2134e-003
0,88896	0,71742	7,3853e-003
0,89942	0,74879	7,5116e-003
0,90988	0,78038	7,8087e-003
0,92033	0,81199	7,9983e-003
0,93079	0,84328	8,2039e-003
0,94124	0,87463	8,4411e-003
0,9517	0,90612	8,6804e-003
0,96216	0,93762	8,8794e-003
0,97261	0,96899	9,0961e-003
0,98307	1,0003	9,2889e-003
0,99352	1,0317	9,5346e-003
1,	1,0511	9,6545e-003
1,0105	1,064	9,7753e-003
1,0209	1,077	9,8936e-003
1,0314	1,0899	1,0033e-002
1,0418	1,1026	1,0105e-002
1,0523	1,1153	1,0222e-002
1,0627	1,1286	1,0321e-002
1,0732	1,1425	1,0434e-002
1,0836	1,1568	1,0544e-002
1,0941	1,1711	1,068e-002
1,1045	1,1852	1,0773e-002
1,115	1,1993	1,09e-002
1,1255	1,2134	1,099e-002
1,1359	1,2275	1,1094e-002
1,1464	1,2414	1,1199e-002
1,1568	1,2553	1,1349e-002
1,1673	1,2691	1,1466e-002
1,1777	1,2827	1,155e-002
1,1882	1,2961	1,1641e-002
1,1986	1,3095	1,1759e-002
1,2091	1,3228	1,1889e-002
1,2195	1,3359	1,2012e-002
1,23	1,3487	1,2074e-002
1,2404	1,3614	1,2173e-002
1,2509	1,3741	1,2289e-002
1,2613	1,3866	1,2393e-002
1,2718	1,3989	1,2503e-002
1,2823	1,411	1,26e-002
1,2927	1,423	1,2702e-002
1,3032	1,4349	1,2787e-002
1,3136	1,4466	1,2888e-002
1,3241	1,4581	1,2991e-002



	1,4694	1,3095e-002
1,345	1,4805	1,3174e-002
1,3554	1,4916	1,3277e-002
1,3659	1,5018	1,3308e-002
1,3763	1,5144	1,3528e-002
1,3868	1,527	1,3674e-002
1,3972	1,539	1,3962e-002
1,4077	1,5514	1,4156e-002
1,4181	1,5634	1,4348e-002
1,4286	1,5755	1,4606e-002
1,439	1,578	1,4962e-002
1,4495	1,5885	1,5091e-002
1,4599	1,5983	1,5109e-002
1,4704	1,6067	1,5342e-002
1,4808	1,6156	1,5366e-002
1,4913	1,6252	1,5445e-002
1,5017	1,6362	1,5734e-002
1,5122	1,6455	1,6026e-002
1,5226	1,6559	1,6243e-002
1,5331	1,6653	1,635e-002
1,5435	1,6776	1,6559e-002
1,554	1,6859	1,6867e-002
1,5644	1,6936	1,7026e-002
1,5749	1,7027	1,7283e-002
1,5853	1,7118	1,7642e-002
1,5958	1,7202	1,7749e-002
1,6062	1,7295	1,7805e-002
1,6167	1,7377	1,8226e-002
1,6271	1,7458	1,8519e-002
1,6376	1,7535	1,8647e-002
1,648	1,7609	1,8848e-002
1,6585	1,7682	1,9074e-002
1,669	1,7778	1,9193e-002
1,6794	1,7945	1,944e-002
1,6899	1,8116	1,9806e-002
1,7003	1,8286	2,0008e-002
1,7108	1,8726	2,0285e-002
1,7212	1,8912	2,0898e-002
1,7317	1,9087	2,1024e-002
1,7421	1,9234	2,0954e-002
1,7526	1,9395	2,1647e-002
1,763	1,9574	2,2166e-002
1,7735	1,9755	2,2088e-002
1,7839	1,9913	2,2107e-002
1,7944	2,0058	2,2202e-002
1,8048	2,02	2,2403e-002
1,8153	2,0364	2,3209e-002
1,8257	2,0527	2,3271e-002
1,8362	2,0685	2,3401e-002
1,8466	2,0842	2,3419e-002
1,8571	2,0978	2,342e-002
1,8675	2,1086	2,3859e-002
1,878	2,1199	2,4219e-002
1,8885	2,131	2,4242e-002
1,8989	2,1409	2,4195e-002
1,9094	2,1507	2,4074e-002
1,9198	2,1598	2,4084e-002
1,9303	2,1683	2,4396e-002
1,9407	2,1786	2,4725e-002
1,9512	2,1877	2,4861e-002
1,9616	2,1952	2,4684e-002
1,9721	2,2031	2,4647e-002
1,9825	2,2106	2,4724e-002
1,993	2,2177	2,5016e-002
2,	2,222	2,4855e-002
2,0105	2,2435	2,4951e-002
2,0209	2,2628	2,5199e-002
2,0313	2,9991	2,5903e-002
2,0417	3,0757	2,2331e-002
2,0521	3,1389	2,7133e-002
2,0625	3,2114	2,6218e-002
2,0729	3,2576	2,4446e-002
2,0833	1,5608	2,4704e-002
2,0937	1,606	1,9941e-002
2,1041	1,6719	1,8822e-002
2,1145	1,6888	1,8039e-002
2,1249	1,7067	2,1074e-002
2,1353	1,768	2,1294e-002
2,1457	1,8017	1,9264e-002
2,1562	1,8418	1,5665e-002
2,1666	1,8667	2,2088e-002
2,177	1,9089	2,0201e-002
2,1874	1,9607	1,805e-002
2,1978	1,9984	1,672e-002
2,2082	2,0481	1,9244e-002
2,2186	2,1086	2,2554e-002
2,229	2,1537	1,7189e-002

	2,2187	1,5119e-002
2,2499	2,2493	1,7667e-002
2,2603	2,2955	2,2846e-002
2,2707	2,3535	1,9838e-002
2,2811	2,4082	1,5797e-002
2,2915	2,4551	1,78e-002
2,3019	2,4944	2,0739e-002
2,3123	2,529	1,9204e-002
2,3227	2,5784	1,8889e-002
2,3331	2,6205	2,0251e-002
2,3435	2,663	1,9471e-002
2,3539	2,7064	1,8385e-002
2,3643	2,7427	1,9547e-002
2,3747	2,7892	1,9881e-002
2,3851	2,831	2,0091e-002
2,3955	2,8715	1,9257e-002
2,4059	2,9106	1,9563e-002
2,4163	2,9493	2,1176e-002
2,4267	2,9912	1,9911e-002
2,4371	3,0322	1,8902e-002
2,4475	3,0698	1,9202e-002
2,4579	3,157	1,9951e-002
2,4684	3,193	2,09e-002
2,4788	3,2328	1,896e-002
2,4892	3,2731	1,7164e-002
2,4996	3,3092	1,8788e-002
2,51	3,344	1,9797e-002
2,5204	3,3809	2,0471e-002
2,5308	3,4149	1,9825e-002
2,5412	3,4473	1,944e-002
2,5516	3,4809	1,8792e-002
2,562	3,5141	1,9e-002
2,5724	3,5459	2,1128e-002
2,5828	3,5781	2,1586e-002
2,5932	3,6104	2,0323e-002
2,6036	3,6422	1,9626e-002
2,614	3,6743	2,0124e-002
2,6244	3,7058	2,1989e-002
2,6348	3,737	2,1331e-002
2,6452	3,7682	2,0953e-002
2,6556	3,808	2,101e-002
2,666	3,842	2,1037e-002
2,6764	3,8765	2,076e-002
2,6868	3,9115	2,1172e-002
2,6972	3,9454	2,1615e-002
2,7076	3,9798	2,2548e-002
2,718	4,0144	2,2233e-002
2,7284	4,049	2,2102e-002
2,7388	4,0831	2,2316e-002
2,7492	4,1176	2,2372e-002
2,7596	4,1476	1,8031e-002
2,77	4,1796	2,0817e-002
2,7804	4,2128	2,342e-002
2,7908	4,2474	2,378e-002
2,8012	4,2807	2,1059e-002
2,8116	4,315	1,9358e-002
2,822	4,3491	2,0709e-002
2,8324	4,3828	2,2889e-002
2,8428	4,4172	2,3212e-002
2,8532	4,4508	2,1999e-002
2,8636	4,3109	2,2034e-002
2,874	4,3396	1,9608e-002
2,8844	4,3699	1,978e-002
2,8948	4,3974	2,0224e-002
2,9052	4,4328	2,1437e-002
2,9156	4,4581	2,2099e-002
2,926	4,4875	2,0795e-002
2,9364	4,514	2,0327e-002
2,9468	1,3765	1,2937e-002
2,9572	1,3899	1,7892e-002
2,9676	1,427	1,9059e-002
2,978	1,4638	1,7459e-002
2,9884	1,5006	2,1994e-002
2,9987	1,5332	1,7989e-002
3,	1,5328	1,2342e-002
3,0104	1,5662	1,4215e-002
3,0208	1,6043	1,2882e-002
3,0312	1,6431	2,0107e-002
3,0416	1,6762	1,6738e-002
3,052	1,7077	1,2931e-002
3,0624	1,741	1,1714e-002
3,0728	1,7801	1,3621e-002
3,0832	1,816	2,0078e-002
3,0936	1,8507	1,3801e-002
3,104	1,8812	1,1329e-002
3,1145	1,9162	1,2229e-002
3,1249	1,9542	1,5013e-002

	1,9903	1,8027e-002
3,1457	2,0233	1,3823e-002
3,1561	1,8194	1,0208e-002
3,1665	1,8576	1,1537e-002
3,1769	1,8957	1,5949e-002
3,1873	1,932	1,365e-002
3,1977	1,9673	1,0185e-002
3,2081	2,0053	1,1951e-002
3,2185	2,0426	1,3508e-002
3,2289	2,0795	1,6702e-002
3,2393	2,1153	1,4024e-002
3,2497	2,1515	1,254e-002
3,2601	2,1897	1,4497e-002
3,2705	2,2271	1,7019e-002
3,2809	2,2627	1,5056e-002
3,2913	2,2986	1,4167e-002
3,3017	2,3357	1,6316e-002
3,3121	2,3729	1,8129e-002
3,3225	2,4101	1,6725e-002
3,3329	2,4458	1,5046e-002
3,3433	2,4826	1,5665e-002
3,3536	2,5195	1,8931e-002
3,364	2,5567	1,9962e-002
3,3744	2,5927	1,7731e-002
3,3848	2,6292	1,6589e-002
3,3952	2,6664	1,931e-002
3,4056	2,7037	1,9676e-002
3,4159	2,7309	1,1553e-002
3,4263	2,7707	1,6331e-002
3,4367	2,8078	2,2445e-002
3,4471	2,8464	2,098e-002
3,4575	2,8793	1,4985e-002
3,4679	2,9155	1,4393e-002
3,4783	2,952	1,5643e-002
3,4887	2,9911	1,9769e-002
3,4991	3,0275	2,0492e-002
3,5095	3,0616	1,5799e-002
3,5199	3,0972	1,5011e-002
3,5303	3,1354	1,586e-002
3,5406	3,1653	1,8787e-002
3,551	3,2022	1,8009e-002
3,5614	3,2363	1,624e-002
3,5718	3,2729	1,7951e-002
3,5822	3,3124	1,9419e-002
3,5926	3,3476	1,8373e-002
3,603	3,3831	1,6632e-002
3,6134	3,4195	1,7477e-002
3,6237	3,4569	2,0677e-002
3,6341	3,4925	2,0826e-002
3,6445	3,5275	1,8112e-002
3,6549	3,5645	1,8869e-002
3,6653	3,6035	2,0967e-002
3,6756	3,6403	2,0279e-002
3,686	3,6758	1,9757e-002
3,6964	3,7136	2,1048e-002
3,7068	3,752	2,261e-002
3,7171	3,7897	2,1633e-002
3,7275	3,8261	2,0345e-002
3,7379	3,8635	2,0956e-002
3,7482	3,9015	2,331e-002
3,7586	3,939	2,3992e-002
3,769	3,9754	2,3071e-002
3,7793	4,0428	2,1666e-002
3,7897	4,0796	1,8042e-002
3,8001	4,1186	1,7326e-002
3,8105	4,1614	2,2289e-002
3,8209	4,1998	2,4639e-002
3,8313	4,2379	2,2789e-002
3,8416	4,2778	1,916e-002
3,852	4,3103	1,8654e-002
3,8624	4,3571	2,3235e-002
3,8728	4,3942	2,4678e-002
3,8831	4,4337	2,2747e-002
3,8935	4,4727	2,2016e-002
3,9039	4,5118	2,1348e-002
3,9143	4,5576	2,2965e-002
3,9246	4,5952	2,5001e-002
3,935	4,6376	2,3088e-002
3,9454	4,6758	2,2755e-002
3,9558	4,7172	2,3717e-002
3,9661	4,7592	2,4408e-002
3,9765	4,8001	2,5194e-002
3,9869	4,8406	2,443e-002
3,9973	4,8817	2,3583e-002
4,	4,8929	2,525e-002
4,0104	4,9371	2,5707e-002
4,0207	4,9787	2,5912e-002

	5,0216	2,4591e-002
4,0415	5,0629	2,5442e-002
4,0518	5,1062	2,8271e-002
4,0622	5,1497	2,9224e-002
4,0726	5,1908	2,8163e-002
4,0829	5,2346	2,6961e-002
4,0933	5,2765	2,8424e-002
4,1036	5,3185	3,0569e-002
4,1139	5,331	3,214e-002
4,1242	5,3756	3,1563e-002
4,1346	5,4211	3,0955e-002
4,1447	5,4602	3,165e-002
4,1551	5,506	3,3216e-002
4,1654	5,5511	3,4353e-002
4,1758	5,5938	3,4935e-002
4,186	5,6609	3,5569e-002
4,1962	5,665	3,6177e-002
4,2065	5,7097	3,6225e-002
4,2168	5,7497	3,6298e-002
4,2272	5,7938	3,811e-002
4,2375	5,8426	3,9396e-002
4,2479	5,8877	3,9124e-002
4,2582	5,9331	3,8289e-002
4,2681	6,0985	2,7129e-002
4,2785	6,2167	2,8017e-002
4,2888	6,2682	2,9497e-002
4,2991	6,3109	3,7715e-002
4,3094	6,3599	3,4698e-002
4,3198	6,404	2,6906e-002
4,3301	6,448	3,0958e-002
4,3405	6,4968	3,5359e-002
4,3508	6,5462	3,0415e-002
4,3612	6,599	2,7699e-002
4,3715	6,6469	3,1667e-002
4,3819	6,6937	3,6415e-002
4,3922	6,7484	2,9476e-002
4,4026	6,805	2,5086e-002
4,4129	6,8526	2,8825e-002
4,4233	6,9592	3,283e-002
4,4336	7,0136	3,1882e-002
4,444	7,0707	2,9891e-002
4,4543	7,135	3,0721e-002
4,4647	7,1729	3,2391e-002
4,475	7,1913	3,0824e-002
4,4853	7,2321	2,8554e-002
4,4957	7,2682	3,2101e-002
4,506	7,3106	3,5086e-002
4,5164	7,343	3,4172e-002
4,5267	7,3814	2,9938e-002
4,537	7,4207	2,9515e-002
4,5474	7,4254	3,2309e-002
4,5577	7,4678	3,5375e-002
4,568	7,5087	3,5875e-002
4,5784	7,5064	3,2779e-002
4,5887	7,5675	2,5426e-002
4,5991	7,6136	2,53e-002
4,6095	7,6445	2,5454e-002
4,6198	7,7003	3,2966e-002
4,6302	7,7407	3,8693e-002
4,6405	7,7857	3,521e-002
4,6509	7,6214	2,4114e-002
4,6613	6,1757	2,3702e-002
4,6716	6,2692	3,0563e-002
4,682	6,3112	3,4896e-002
4,6923	6,3486	3,3672e-002
4,7027	6,3997	2,9588e-002
4,713	6,4324	2,916e-002
4,7234	5,2748	3,6496e-002
4,7337	5,337	3,0263e-002
4,744	5,3169	2,6494e-002
4,7544	5,375	3,1328e-002
4,7647	5,4317	3,8688e-002
4,7751	5,4554	3,1964e-002
4,7854	5,5088	2,6152e-002
4,7958	5,5416	2,656e-002
4,8061	5,5799	3,6458e-002
4,8165	5,6112	3,8931e-002
4,8268	5,6568	3,2251e-002
4,8372	5,6963	2,8714e-002
4,8475	5,7457	3,48e-002
4,8579	5,7879	3,4695e-002
4,8682	5,8259	3,413e-002
4,8785	5,8674	3,6669e-002
4,8889	5,9112	3,8557e-002
4,8992	5,9593	3,6336e-002
4,9096	6,0022	3,3125e-002
4,9199	6,0474	3,4492e-002

	6,0884	4,1287e-002
4,9406	6,0781	3,2041e-002
4,9509	4,3215	3,5839e-002
4,9612	4,391	3,6685e-002
4,9716	4,4285	3,4587e-002
4,9819	4,4704	3,5468e-002
4,9923	4,5174	3,8466e-002
5,	4,5509	3,8725e-002
5,0104	4,6001	3,8929e-002
5,0207	4,6538	3,5394e-002
5,031	4,6993	3,5483e-002
5,0414	4,7463	3,9637e-002
5,0517	4,7932	4,1432e-002
5,0621	4,8417	3,8945e-002
5,0724	4,8957	3,7614e-002
5,0828	4,9426	3,965e-002
5,0931	4,9332	4,0766e-002
5,1034	4,9768	4,1277e-002
5,1138	5,0208	4,0892e-002
5,1241	5,0692	4,0654e-002
5,1344	5,1133	4,0515e-002
5,1448	5,1577	4,1589e-002
5,1551	5,2117	4,2024e-002
5,1655	5,2533	4,239e-002
5,1758	5,2908	4,2933e-002
5,1861	5,3313	4,305e-002
5,1965	5,3707	4,2747e-002
5,2068	5,4158	4,3212e-002
5,2171	5,4637	4,4048e-002
5,2275	5,5031	4,4761e-002
5,2378	5,5483	4,5029e-002
5,2481	5,5988	4,4532e-002
5,2584	5,645	4,4553e-002
5,2688	5,6904	4,4988e-002
5,2791	5,7335	4,6162e-002
5,2894	5,7786	4,6751e-002
5,2997	5,8259	4,6453e-002
5,3101	5,8731	4,6283e-002
5,3204	5,9891	4,8798e-002
5,3308	6,0133	3,9455e-002
5,3411	6,072	3,2453e-002
5,3515	6,1234	3,7297e-002
5,3618	6,1469	4,533e-002
5,3722	6,1995	4,6018e-002
5,3825	6,2512	4,0208e-002
5,3929	6,1695	3,8436e-002
5,4033	6,1919	4,2697e-002
5,4136	6,2408	4,4204e-002
5,4239	6,278	4,0968e-002
5,4343	6,336	4,1692e-002
5,4447	6,3679	4,4532e-002
5,455	6,4152	4,6198e-002
5,4653	5,9977	4,2458e-002
5,4757	6,0671	3,9934e-002
5,486	6,1122	4,5123e-002
5,4964	6,1483	4,9458e-002
5,5067	6,2024	4,8083e-002
5,517	6,2516	4,2911e-002
5,5274	6,2986	4,1738e-002
5,5377	6,3425	4,4843e-002
5,548	6,3845	4,7809e-002
5,5583	6,4352	4,9937e-002
5,5687	6,4803	4,8691e-002
5,579	6,53	4,5504e-002
5,5893	6,5741	4,369e-002
5,5996	6,6254	4,6188e-002
5,6099	6,6589	4,9815e-002
5,6203	6,7052	5,1271e-002
5,6306	6,7613	4,7352e-002
5,6409	6,7991	4,6607e-002
5,6512	6,8369	4,9222e-002
5,6615	6,8749	5,377e-002
5,6718	6,917	5,4028e-002
5,6822	6,9682	5,1473e-002
5,6925	7,0067	5,1214e-002
5,7028	7,0367	5,3464e-002
5,7131	7,0777	5,6981e-002
5,7234	6,8911	4,7416e-002
5,7337	6,8674	4,8045e-002
5,7441	6,9235	4,6883e-002
5,7544	6,9723	5,66e-002
5,7647	7,0092	5,6911e-002
5,7751	7,0678	5,1337e-002
5,7854	7,1193	4,7528e-002
5,7957	7,1517	5,1096e-002
5,8061	7,1712	5,6161e-002
5,8164	7,2403	5,8891e-002

	7,2911	5,5361e-002
5,8371	7,3286	5,1901e-002
5,8474	7,3676	5,3387e-002
5,8577	7,4066	5,7829e-002
5,8681	7,4637	6,0425e-002
5,8784	7,5087	5,7591e-002
5,8887	7,5725	4,9233e-002
5,899	7,6191	5,1839e-002
5,9093	7,6705	5,5138e-002
5,9197	7,6855	5,4172e-002
5,93	7,7461	5,3254e-002
5,9401	8,6976	5,2832e-002
5,9504	5,9817	6,0416e-002
5,9607	6,0612	4,7492e-002
5,9711	6,1427	3,9065e-002
5,9814	6,1654	4,2999e-002
5,9917	6,2034	4,8594e-002
6,	6,2367	4,7308e-002
6,0103	6,2977	5,6322e-002
6,0207	6,3476	4,8811e-002
6,031	6,3777	4,3504e-002
6,0414	6,428	4,2819e-002
6,0517	6,4915	4,8154e-002
6,062	6,521	5,8497e-002
6,0724	6,577	5,1895e-002
6,0827	6,614	4,7446e-002
6,093	6,6804	4,1854e-002
6,1034	6,729	5,319e-002
6,1137	6,7673	6,0249e-002
6,124	6,8081	5,4587e-002
6,1344	6,8665	4,7152e-002
6,1447	6,9112	4,8684e-002
6,155	6,9595	5,7675e-002
6,1653	7,0086	5,9517e-002
6,1757	7,0463	5,4673e-002
6,186	7,0827	5,3027e-002
6,1963	7,1403	5,5953e-002
6,2067	7,1935	6,099e-002
6,217	7,2405	5,8149e-002
6,2273	7,2835	5,8092e-002
6,2376	7,3146	5,8489e-002
6,248	7,3743	6,0112e-002
6,2583	7,4192	6,278e-002
6,2686	7,4586	6,4402e-002
6,2789	7,5673	6,3437e-002
6,2892	7,6644	5,8284e-002
6,2996	7,7197	5,9288e-002
6,3099	7,7822	6,5683e-002
6,3202	7,8138	6,7942e-002
6,3305	7,8679	6,3162e-002
6,3409	7,9285	6,158e-002
6,3512	7,9793	6,6849e-002
6,3615	8,0182	7,0947e-002
6,3719	8,0657	6,9646e-002
6,3822	8,1252	6,6576e-002
6,3925	8,1775	6,8075e-002
6,4028	5,0218	6,3845e-002
6,4132	5,0343	6,8284e-002
6,4235	5,1534	6,8603e-002
6,4338	5,1864	6,7867e-002
6,4441	5,2123	6,8023e-002
6,4545	5,2823	7,0672e-002
6,4648	5,3037	7,2251e-002
6,4751	5,3556	7,0716e-002
6,4854	5,404	7,0822e-002
6,4957	5,4462	7,4169e-002
6,5061	5,5067	7,519e-002
6,5164	5,5464	7,4459e-002
6,5267	5,5851	7,5339e-002
6,537	5,6583	7,7644e-002
6,5473	5,6738	7,8728e-002
6,5576	5,7288	7,911e-002
6,568	5,7689	7,9951e-002
6,5783	5,8309	8,1376e-002
6,5886	5,8948	8,2317e-002
6,5989	5,9114	8,3846e-002
6,6092	5,9762	8,4615e-002
6,6195	6,0256	7,83e-002
6,6298	6,0743	8,0253e-002
6,6401	6,1113	8,3255e-002
6,6504	6,1578	8,8831e-002
6,6607	6,2013	8,7263e-002
6,671	6,2535	8,479e-002
6,6813	6,3071	8,4762e-002
6,6916	6,3492	9,0571e-002
6,7019	6,3905	9,252e-002
6,7121	6,4558	8,9156e-002

	6,5015	8,9023e-002
6,7327	6,5464	9,3872e-002
6,743	6,5973	9,6649e-002
6,7533	6,6255	9,3994e-002
6,7636	6,6752	9,3471e-002
6,7738	6,7075	9,7875e-002
6,7841	6,7576	0,10044
6,7944	5,8779	9,7507e-002
6,8047	5,8955	9,1198e-002
6,815	5,976	8,6201e-002
6,8253	6,0402	9,8962e-002
6,8356	6,0411	0,10078
6,8459	6,1098	9,3398e-002
6,8562	6,1575	9,1078e-002
6,8664	3,4032	7,2344e-002
6,8768	3,4266	7,8631e-002
6,8872	3,3932	7,2383e-002
6,8975	3,4158	7,849e-002
6,9079	3,5235	7,7837e-002
6,9182	3,6274	7,604e-002
6,9286	3,6448	8,1123e-002
6,939	3,6426	7,183e-002
6,9493	3,6908	7,2918e-002
6,9597	3,7444	7,3664e-002
6,9701	3,8506	8,1308e-002
6,9805	3,8822	7,6864e-002
6,9908	3,9268	7,7804e-002
7,	3,9636	7,3696e-002
7,0104	4,0121	8,0354e-002
7,0207	4,0546	8,1906e-002
7,0311	4,106	8,084e-002
7,0415	4,1453	7,7775e-002
7,0518	4,1884	8,2431e-002
7,0622	4,2303	8,5903e-002
7,0726	4,2723	8,3552e-002
7,0829	4,3074	8,2262e-002
7,0933	4,3489	8,5552e-002
7,1036	4,3911	8,9613e-002
7,114	4,4251	8,6542e-002
7,1244	4,4694	8,6005e-002
7,1347	4,5124	8,9087e-002
7,1451	4,5535	9,2005e-002
7,1554	4,5916	9,0409e-002
7,1658	4,6291	8,9518e-002
7,1761	4,6698	9,255e-002
7,1865	4,713	9,4607e-002
7,1968	4,7542	9,4445e-002
7,2072	4,7946	9,4081e-002
7,2175	4,7993	9,586e-002
7,2278	4,8445	9,7761e-002
7,2382	4,8866	9,7692e-002
7,2485	4,9311	9,7902e-002
7,2589	4,9711	9,8155e-002
7,2692	5,0071	0,10146
7,2795	5,0522	0,10067
7,2899	5,1036	9,9823e-002
7,3002	5,1396	0,10245
7,3106	5,1816	0,1042
7,3209	5,2259	0,10376
7,3312	5,2673	0,1032
7,3416	5,3127	0,10328
7,3519	5,3782	9,4436e-002
7,3623	5,3933	9,8962e-002
7,3727	5,5051	9,0248e-002
7,383	5,5847	0,10729
7,3934	5,5524	0,10131
7,4038	5,6596	9,3048e-002
7,4142	5,7042	9,0817e-002
7,4246	5,7419	0,1069
7,435	5,7937	0,1024
7,4454	5,403	8,967e-002
7,4558	5,4418	9,2907e-002
7,4661	5,484	9,9792e-002
7,4765	5,4986	0,10172
7,4869	5,5313	9,2992e-002
7,4972	5,5761	9,3905e-002
7,5076	5,6085	0,10061
7,518	5,6472	0,10402
7,5284	5,693	0,10019
7,5387	5,7276	9,4816e-002
7,5491	5,7779	0,10298
7,5595	5,8313	0,10602
7,5699	5,7049	0,1016
7,5802	5,7431	9,8736e-002
7,5906	5,7865	0,10334
7,601	5,8287	0,10739
7,6113	5,8672	0,10542

	5,9113	0,10359
7,6321	5,9533	0,10552
7,6424	5,9823	0,1092
7,6528	6,0229	0,10867
7,6632	6,0659	0,1076
7,6735	5,8353	0,1075
7,6839	5,8771	0,10988
7,6942	5,922	0,11138
7,7046	5,9619	0,11155
7,7149	5,9999	0,11235
7,7253	6,0434	0,11261
7,7356	6,0842	0,11441
7,746	6,1437	0,11527
7,7563	6,1846	0,11578
7,7667	6,2222	0,11727
7,777	6,2733	0,11814
7,7873	6,3145	0,11849
7,7977	6,3538	0,1192
7,808	6,3969	0,12095
7,8184	6,4839	0,1215
7,8287	6,5276	0,12284
7,839	6,5674	0,12393
7,8494	6,613	0,1247
7,8597	6,6542	0,12505
7,8701	6,7029	0,12489
7,8804	6,7429	0,12005
7,8908	6,8231	0,10939
7,9012	6,6904	0,10634
7,9115	6,7371	0,12051
7,9215	3,7733	8,3641e-002
7,9316	3,6716	7,6056e-002
7,9418	3,6951	7,2505e-002
7,952	3,8145	0,10558
7,9621	3,7843	9,3765e-002
7,9723	3,8387	7,0876e-002
7,9825	3,83	5,9743e-002
7,9926	3,9014	8,4527e-002
8,	3,9489	7,6783e-002
8,0101	3,9627	7,4312e-002
8,0203	4,0248	6,8083e-002
8,0305	4,0253	6,9165e-002
8,0407	4,0672	8,4366e-002
8,0508	4,1112	7,7766e-002
8,061	4,1279	6,2418e-002
8,0712	4,1428	6,2304e-002
8,0813	3,0773	5,1751e-002
8,0915	2,8441	5,0303e-002
8,1017	2,8573	5,7955e-002
8,112	2,8522	5,4618e-002
8,1222	2,8953	5,4035e-002
8,1324	2,9313	4,6466e-002
8,1426	2,9735	4,1745e-002
8,1529	3,0067	5,0491e-002
8,1631	3,0388	5,6036e-002
8,1733	3,0844	4,7595e-002
8,1836	3,1244	3,9563e-002
8,1938	3,1597	4,5923e-002
8,2041	3,1983	5,4399e-002
8,2143	3,2351	5,2854e-002
8,2245	3,2778	4,4365e-002
8,2348	3,317	4,5141e-002
8,245	3,3527	4,9019e-002
8,2552	3,3929	5,0827e-002
8,2654	3,4323	4,8338e-002
8,2757	3,4728	4,7316e-002
8,2859	3,512	5,1678e-002
8,2961	3,5504	5,2451e-002
8,3064	3,5921	5,0896e-002
8,3166	3,6317	5,007e-002
8,3268	3,6714	5,4285e-002
8,337	3,7124	5,4251e-002
8,3473	3,7516	5,2381e-002
8,3575	3,7914	5,2986e-002
8,3677	3,8319	5,5871e-002
8,3779	3,8715	5,5036e-002
8,3881	3,9122	5,4752e-002
8,3984	3,9519	5,6812e-002
8,4086	3,9916	5,8557e-002
8,4188	4,0329	5,761e-002
8,429	4,0729	5,7763e-002
8,4392	4,1134	5,9948e-002
8,4494	4,1537	6,1005e-002
8,4597	4,194	6,0251e-002
8,4699	4,2358	6,1369e-002
8,4801	4,2806	6,2024e-002
8,4903	4,3045	6,1764e-002
8,5006	4,3514	6,2273e-002



	4,3919	5,4039e-002
8,5211	4,5247	4,482e-002
8,5314	4,5635	5,0939e-002
8,5417	4,5234	4,9425e-002
8,552	4,5577	6,4763e-002
8,5622	4,6016	6,195e-002
8,5725	4,642	5,1208e-002
8,5828	4,8371	4,7935e-002
8,5931	4,6315	4,6699e-002
8,6033	4,7555	5,4629e-002
8,6136	4,8159	6,1797e-002
8,6239	4,8404	6,0682e-002
8,6342	4,8839	5,4393e-002
8,6445	5,0619	5,041e-002
8,6547	4,9764	5,1252e-002
8,665	5,0428	5,8781e-002
8,6753	5,0374	6,3046e-002
8,6856	5,1115	6,1078e-002
8,6959	5,1303	5,5929e-002
8,7062	5,1674	5,5251e-002
8,7165	5,261	5,6041e-002
8,7267	5,2696	5,7567e-002
8,737	5,3075	6,3791e-002
8,7473	5,4494	6,5093e-002
8,7576	5,5523	6,018e-002
8,7679	5,5451	5,7649e-002
8,7782	5,4776	5,4962e-002
8,7884	5,5327	5,5861e-002
8,7987	5,5192	5,9744e-002
8,809	5,5937	6,2758e-002
8,8193	5,6393	6,1574e-002
8,8296	5,6858	6,0425e-002
8,8398	5,729	5,8069e-002
8,8501	5,7646	5,8407e-002
8,8604	5,8071	5,7687e-002
8,8707	5,8504	5,9871e-002
8,881	5,8971	6,3079e-002
8,8913	5,9328	6,3875e-002
8,9016	5,9755	6,3873e-002
8,9118	5,9025	6,2027e-002
8,9221	5,9453	6,1677e-002
8,9324	5,9764	6,0749e-002
8,9427	6,0201	6,4289e-002
8,953	6,0613	6,6326e-002
8,9633	6,1017	6,6536e-002
8,9736	6,1449	6,5673e-002
8,9839	6,1894	6,7274e-002
8,9942	6,2334	6,6658e-002
9,	6,2582	6,8067e-002
9,0103	6,304	6,8969e-002
9,0206	6,3567	6,7007e-002
9,0309	6,5308	6,4541e-002
9,0412	6,6136	6,6208e-002
9,0515	6,655	6,6319e-002
9,0618	6,6712	6,5704e-002
9,0722	6,7318	6,9964e-002
9,0825	6,7753	6,8524e-002
9,0928	6,8179	6,7253e-002
9,1031	6,858	6,9319e-002
9,1135	6,9019	7,0925e-002
9,1238	6,9442	7,1326e-002
9,1341	6,9881	7,1383e-002
9,1444	7,0269	7,1671e-002
9,1548	7,0782	7,0102e-002
9,1651	7,1156	7,2319e-002
9,1754	7,1584	7,3737e-002
9,1858	7,1889	7,3921e-002
9,1961	7,2211	7,2842e-002
9,2064	7,2462	7,262e-002
9,2168	7,278	7,273e-002
9,2271	7,3139	7,1721e-002
9,2375	7,3451	7,0831e-002
9,2478	7,3787	7,4677e-002
9,2581	7,415	7,6471e-002
9,2685	7,4502	7,5805e-002
9,2788	7,4917	7,5976e-002
9,2892	7,5234	7,6034e-002
9,2995	7,5555	7,614e-002
9,3093	5,5123	7,8582e-002
9,3196	5,547	8,1965e-002
9,3299	5,5991	8,4257e-002
9,3403	5,6417	8,1033e-002
9,3506	5,6804	8,0059e-002
9,361	5,7203	7,9088e-002
9,3713	5,7582	7,3317e-002
9,3817	5,7909	7,575e-002
9,392	5,8243	7,8822e-002

	5,87	7,9254e-002
9,4127	5,8977	7,3586e-002
9,4231	5,9373	7,7028e-002
9,4334	5,9675	7,1986e-002
9,4438	5,9908	7,567e-002
9,4541	6,0276	7,7274e-002
9,4645	6,0566	8,0184e-002
9,4748	6,0903	7,5505e-002
9,4852	6,1323	7,457e-002
9,4955	6,1575	7,3878e-002
9,5059	6,1408	7,5441e-002
9,5163	6,1809	7,7031e-002
9,5266	6,2251	8,0877e-002
9,537	5,3961	7,1433e-002
9,5473	5,4398	7,4829e-002
9,5576	5,4501	7,0676e-002
9,568	5,4841	7,2926e-002
9,5783	5,5169	7,0363e-002
9,5886	5,5618	7,6788e-002
9,599	5,5628	7,1626e-002
9,6093	5,6245	7,2837e-002
9,6196	5,6528	7,0623e-002
9,63	5,6842	7,4011e-002
9,6403	5,7352	7,3805e-002
9,6507	5,7506	7,535e-002
9,661	5,7887	7,5397e-002
9,6714	5,7729	7,2321e-002
9,6817	5,8045	7,1897e-002
9,692	5,8418	7,2855e-002
9,7024	5,8638	7,6555e-002
9,7127	5,8804	7,6981e-002
9,7231	5,9224	7,7706e-002
9,7334	5,9623	7,52e-002
9,7438	5,9955	7,4212e-002
9,7541	6,03	7,5113e-002
9,7645	6,0723	7,7945e-002
9,7748	6,1112	7,9218e-002
9,7851	6,1396	7,8768e-002
9,7955	6,1774	7,8289e-002
9,8058	6,2145	7,7195e-002
9,8162	6,2498	7,8124e-002
9,8265	6,2868	8,0067e-002
9,8369	6,3231	8,1709e-002
9,8472	6,3548	8,1401e-002
9,8576	6,3877	8,0365e-002
9,8679	6,4367	8,0446e-002
9,8783	6,4761	8,0649e-002
9,8886	6,5171	8,251e-002
9,899	6,5547	8,3799e-002
9,9093	6,5874	8,3887e-002
9,9197	6,6277	8,2616e-002
9,93	5,6255	7,2721e-002
9,9404	5,7303	7,5745e-002
9,9507	5,7758	7,9867e-002
9,9611	5,7958	7,9066e-002
9,9714	5,8438	8,2117e-002
9,9817	5,8825	7,6976e-002
9,9921	5,9189	8,2541e-002
10,	5,9231	8,0453e-002
10,01	5,9607	7,8003e-002
10,021	5,9925	7,9994e-002
10,031	6,0323	7,79e-002
10,041	6,0765	8,1684e-002
10,052	6,1044	7,8411e-002
10,062	6,1335	8,013e-002
10,072	6,1709	7,8426e-002
10,083	6,2085	7,9005e-002
10,093	6,2473	8,0999e-002
10,103	6,2824	8,1773e-002
10,114	6,3233	8,1653e-002
10,124	5,4128	7,8252e-002
10,134	5,4285	7,4796e-002
10,145	5,4772	7,6232e-002
10,155	5,528	7,5071e-002
10,165	5,5632	7,8642e-002
10,176	5,6067	7,4747e-002
10,186	5,6461	7,6641e-002
10,196	5,6702	7,6446e-002
10,207	5,7119	7,5767e-002
10,217	5,7485	7,6998e-002
10,227	5,7754	7,5834e-002
10,238	5,8196	7,9981e-002
10,248	5,8528	7,6824e-002
10,258	5,8771	7,9387e-002
10,269	5,9139	7,9463e-002
10,279	5,9493	7,9266e-002
10,289	5,9859	7,8223e-002

	6,016	8,1461e-002
10,31	6,0408	8,0603e-002
10,32	6,0871	7,9815e-002
10,331	6,119	8,1298e-002
10,341	6,1424	8,2462e-002
10,351	6,1845	8,2006e-002
10,362	6,2271	8,2664e-002
10,372	6,2609	8,358e-002
10,382	6,2995	8,3354e-002
10,393	6,3393	8,2961e-002
10,403	6,3745	8,3969e-002
10,413	6,4102	8,49e-002
10,424	6,4493	8,4957e-002
10,434	6,4873	8,5012e-002
10,444	6,5254	8,6063e-002
10,455	6,5594	8,5285e-002
10,465	6,6045	8,6017e-002
10,475	6,6299	8,6526e-002
10,486	6,5955	8,5902e-002
10,496	6,6542	7,9816e-002
10,506	6,6903	8,3738e-002
10,517	6,7484	8,2958e-002
10,527	6,7722	8,2767e-002
10,537	6,8147	7,866e-002
10,548	6,8518	8,2768e-002
10,558	6,8851	8,1826e-002
10,568	6,9264	8,1053e-002
10,579	6,9742	8,2608e-002
10,589	7,0085	8,3791e-002
10,599	7,0674	8,3534e-002
10,61	7,1038	8,2197e-002
10,62	7,1412	8,584e-002
10,63	4,7464	6,659e-002
10,641	4,7007	7,8571e-002
10,651	4,6686	7,5644e-002
10,661	4,6537	7,1965e-002
10,671	4,7033	6,7644e-002
10,682	4,7471	7,6375e-002
10,692	4,7623	6,9315e-002
10,702	3,8938	5,8472e-002
10,712	3,5991	5,5861e-002
10,722	3,5926	6,2725e-002
10,733	3,6332	5,6913e-002
10,743	3,6733	5,1083e-002
10,753	3,7078	5,2855e-002
10,763	3,7399	6,3263e-002
10,773	3,7749	5,5234e-002
10,784	3,8175	5,1829e-002
10,794	3,8488	5,0894e-002
10,804	3,8731	5,633e-002
10,814	3,9199	5,1384e-002
10,825	3,9577	5,1456e-002
10,835	3,9865	5,3622e-002
10,845	4,027	5,6587e-002
10,855	4,0637	5,1336e-002
10,866	4,0988	5,1801e-002
10,876	4,1363	5,1688e-002
10,886	4,1678	5,4705e-002
10,896	4,2071	5,4836e-002
10,906	4,2448	5,346e-002
10,917	4,2767	5,4396e-002
10,927	4,3101	5,6089e-002
10,937	4,3471	5,3681e-002
10,947	4,3752	5,2283e-002
10,958	4,4071	5,3771e-002
10,968	4,4388	5,6379e-002
10,978	4,4724	5,5674e-002
10,988	4,509	5,5035e-002
10,999	4,5363	5,5676e-002
11,	4,539	5,6113e-002
11,01	4,5331	5,2351e-002
11,02	2,7578	8,6964e-002
11,03	2,7955	9,9201e-002
11,04	2,8501	8,0723e-002
11,05	2,6015	6,6453e-002
11,06	2,5896	6,3012e-002
11,07	2,7582	6,7298e-002
11,08	2,7424	5,7918e-002
11,091	3,0496	6,5512e-002
11,101	2,9277	5,9776e-002
11,111	2,7697	4,9631e-002
11,121	2,796	6,1842e-002
11,131	2,7466	4,6988e-002
11,141	2,8905	4,4792e-002
11,151	3,0145	5,7505e-002
11,161	2,9049	5,1883e-002
11,171	2,88	4,2962e-002

	2,7751	4,8808e-002
11,192	2,6927	4,4362e-002
11,202	2,8014	4,6917e-002
11,212	2,8839	4,7477e-002
11,222	2,8597	4,4337e-002
11,232	2,7918	4,3505e-002
11,242	2,7655	4,2125e-002
11,252	2,5686	3,5952e-002
11,262	2,646	4,2678e-002
11,272	2,664	4,6644e-002
11,282	2,6606	4,3709e-002
11,293	2,6669	3,9994e-002
11,303	2,6307	3,8155e-002
11,313	2,6231	3,8057e-002
11,323	2,6347	3,661e-002
11,333	2,6468	3,6443e-002
11,343	2,7032	3,9322e-002
11,353	2,6927	4,3424e-002
11,363	3,8939	4,0052e-002
11,373	2,8656	4,173e-002
11,383	2,9461	3,6494e-002
11,393	2,9627	3,8466e-002
11,403	3,0282	3,7573e-002
11,414	3,0152	3,6658e-002
11,424	2,9969	3,8943e-002
11,434	3,0016	3,9956e-002
11,444	3,0107	3,9014e-002
11,454	3,0212	3,7384e-002
11,464	3,0284	3,4648e-002
11,474	3,041	3,6962e-002
11,484	3,0376	3,6277e-002
11,494	3,032	3,5449e-002
11,504	3,0327	3,6584e-002
11,514	3,0325	3,7244e-002
11,524	3,0409	3,7346e-002
11,535	3,0595	3,6777e-002
11,545	3,0641	3,6618e-002
11,555	3,0696	3,6224e-002
11,565	3,0735	3,5687e-002
11,575	3,0715	3,4681e-002
11,585	3,0783	3,6233e-002
11,595	3,0945	3,6602e-002
11,605	3,1113	3,7925e-002
11,615	3,1207	3,8124e-002
11,625	3,1205	3,7375e-002
11,636	3,1158	3,5518e-002
11,646	3,1091	3,5225e-002
11,656	3,1055	3,4987e-002
11,666	3,1158	3,6167e-002
11,676	3,1263	3,6798e-002
11,686	3,1354	3,7718e-002
11,696	3,1418	3,7722e-002
11,706	3,1413	3,7043e-002
11,716	3,1288	3,6019e-002
11,726	3,1074	3,5726e-002
11,736	3,0845	3,5864e-002
11,746	3,0299	3,6408e-002
11,757	3,1523	3,5435e-002
11,767	3,0041	3,5394e-002
11,777	3,0018	3,4624e-002
11,787	2,9928	3,472e-002
11,797	2,9766	3,3812e-002
11,807	2,9889	3,4355e-002
11,817	2,9958	3,453e-002
11,827	2,9938	3,4516e-002
11,837	2,9947	3,4292e-002
11,847	2,9895	3,4513e-002
11,857	2,9879	3,4985e-002
11,868	2,9812	3,4822e-002
11,878	2,9785	3,4749e-002
11,888	2,9808	3,4523e-002
11,898	2,977	3,4317e-002
11,908	2,9829	3,3849e-002
11,918	2,9776	3,3989e-002
11,928	2,9739	3,4549e-002
11,938	2,9677	3,5186e-002
11,948	2,9703	3,5072e-002
11,958	2,9714	3,4839e-002
11,968	2,971	3,4312e-002
11,978	2,9672	3,4114e-002
11,989	2,9643	3,3955e-002
11,999	2,9598	3,4263e-002
12,	2,96	3,4927e-002
12,01	2,9636	3,5267e-002
12,02	2,9667	3,4878e-002
12,03	2,9693	3,4463e-002
12,04	2,9642	3,4262e-002

	2,9604	3,4121e-002
12,061	2,9587	3,4261e-002
12,071	2,96	3,4446e-002
12,081	2,9631	3,4805e-002
12,091	2,966	3,4881e-002
12,101	2,967	3,4663e-002
12,111	2,9644	3,4488e-002
12,121	2,9602	3,4415e-002
12,131	2,9582	3,4313e-002
12,141	2,9606	3,4288e-002
12,151	2,9621	3,436e-002
12,161	2,9642	3,4608e-002
12,171	2,9645	3,4662e-002
12,182	2,9639	3,4636e-002
12,192	2,9624	3,4606e-002
12,202	2,9597	3,4559e-002
12,212	2,9614	3,4354e-002
12,222	2,9621	3,4236e-002
12,232		3,43e-002
12,242	2,9624	3,4481e-002
12,252	2,9631	3,457e-002
12,262	2,9627	3,4671e-002
12,272	2,9621	3,4702e-002
12,282	2,9614	3,4599e-002
12,293	2,9617	3,4342e-002
12,303	2,9619	3,4207e-002
12,313	2,9614	3,4275e-002
12,323	2,9615	3,4418e-002
12,333	2,9622	3,4546e-002
12,343	2,9625	3,468e-002
12,353	2,9621	3,4714e-002
12,363	2,9619	3,4567e-002
12,373	2,9621	3,4339e-002
12,383	2,9618	3,4243e-002
12,393	2,9612	3,4322e-002
12,404	2,9613	3,442e-002
12,414	2,9618	3,4522e-002
12,424	2,962	3,4614e-002
12,434	2,9619	3,4635e-002
12,444	2,9621	3,4511e-002
12,454	2,9624	3,4377e-002
12,464	2,9619	3,4343e-002
12,474	2,9612	3,4402e-002
12,484		3,4428e-002
12,494	2,9614	3,4464e-002
12,504	2,9615	3,4518e-002
12,514	2,9617	3,4545e-002
12,525	2,9622	3,4488e-002
12,535	2,9624	3,4443e-002
12,545	2,9619	3,4446e-002
12,555	2,9613	3,4452e-002
12,565	2,9611	3,4412e-002
12,575	2,9612	3,4407e-002
12,585	2,9613	3,4453e-002
12,595	2,9616	3,4493e-002
12,605	2,9622	3,4489e-002
12,615	2,9623	3,4491e-002
12,625	2,9618	3,4497e-002
12,636	2,9613	3,446e-002
12,646	2,9612	3,4401e-002
12,656		3,439e-002
12,666	2,9613	3,4435e-002
12,676	2,9616	3,4468e-002
12,686	2,9621	3,4481e-002
12,696	2,962	3,4498e-002
12,706	2,9615	3,4504e-002
12,716		3,4462e-002
12,726	2,9613	3,4415e-002
12,736		3,441e-002
12,747		3,4436e-002
12,757	2,9615	3,4446e-002
12,767	2,9618	3,4456e-002
12,777	2,9616	3,4483e-002
12,787		3,45e-002
12,797	2,9614	3,4473e-002
12,807	2,9615	3,4442e-002
12,817	2,9614	3,4434e-002
12,827	2,9613	3,4433e-002
12,837	2,9614	3,4422e-002
12,847	2,9615	3,4435e-002
12,857	2,9614	3,4473e-002
12,868		3,4496e-002
12,878	2,9615	3,4482e-002
12,888	2,9616	3,446e-002
12,898	2,9614	3,4445e-002
12,908		3,4427e-002
12,918		3,4413e-002

12,928		
12,938	2,9613	3,4431e-002
12,948		3,4471e-002
12,958	2,9614	3,449e-002
12,968		3,4478e-002
12,979	2,9615	3,4462e-002
12,989	2,9613	3,4448e-002
12,999	2,9612	3,4429e-002
13,		3,4421e-002
13,01	2,9613	3,4439e-002
13,02		3,4469e-002
13,03		3,4479e-002
13,04	2,9614	3,4466e-002
13,05		3,4453e-002
13,061	2,9613	3,4449e-002
13,071	2,9612	3,4442e-002
13,081	2,9613	3,4437e-002
13,091		3,4446e-002
13,101	2,9612	3,4459e-002
13,111		3,4458e-002
13,121	2,9614	3,4451e-002
13,131		3,4454e-002
13,141	2,9613	3,446e-002
13,151		3,4455e-002
13,161	2,9612	3,4446e-002
13,171		3,4445e-002
13,182	2,9611	3,4447e-002
13,192	2,9612	3,4444e-002
13,202		3,4447e-002
13,212	2,9613	3,4459e-002
13,222		3,4467e-002
13,232		3,4459e-002
13,242	2,9612	3,4448e-002
13,252	2,9611	3,4444e-002
13,262		3,4442e-002
13,272		3,4441e-002
13,282		3,4448e-002
13,293	2,9612	3,4461e-002
13,303		3,4464e-002
13,313		3,4456e-002
13,323		3,4448e-002
13,333	2,9611	3,4446e-002
13,343		3,4445e-002
13,353		3,4444e-002
13,363	2,9612	3,4449e-002
13,373		3,4457e-002
13,383		3,4453e-002
13,393		3,4451e-002
13,404	2,9611	3,4452e-002
13,414		3,4448e-002
13,424	2,9612	3,4445e-002
13,434		3,4447e-002
13,444	2,9611	3,4451e-002
13,454		3,4453e-002
13,464		3,4454e-002
13,474	2,9612	3,4454e-002
13,484		3,4455e-002
13,494		3,445e-002
13,504		3,4445e-002
13,515		3,4446e-002
13,525		3,4449e-002
13,535		3,4451e-002
13,545		3,4453e-002
13,555		3,4455e-002
13,565		3,4454e-002
13,575		3,4449e-002
13,585		3,4446e-002
13,595		3,4447e-002
13,605		3,4449e-002
13,615		3,445e-002
13,625	2,9611	3,4451e-002
13,636		3,4453e-002
13,646		3,4452e-002
13,656		3,445e-002
13,666		3,4449e-002
13,676		3,4449e-002
13,686		
13,696		
13,706		
13,716		
13,726		
13,736		3,445e-002
13,747		
13,757		
13,767		
13,777		
13,787		

13,797		
13,807	2,961	
13,817	2,9609	3,4444e-002
13,827	2,9612	3,445e-002
13,837	2,9607	3,4446e-002
13,847	2,961	3,445e-002
13,858		
13,868	2,9609	3,4446e-002
13,878	2,961	3,445e-002
13,888	2,9609	3,4447e-002
13,898		3,4448e-002
13,908		3,445e-002
13,918		3,4448e-002
13,928		3,4449e-002
13,938		3,445e-002
13,948		3,4448e-002
13,958		3,4449e-002
13,968		3,445e-002
13,979		3,4448e-002
13,989		
13,999		
14,		
14,01		
14,02		
14,03	2,961	
14,04		
14,05		3,4449e-002
14,061		
14,071		
14,081		
14,091		
14,101		
14,111		
14,121		
14,131		
14,141		
14,151		
14,161		
14,172		
14,182	2,9609	
14,192		
14,202	2,961	3,4448e-002
14,212		
14,222		
14,232		
14,242		
14,252		
14,262		
14,272		
14,282		
14,293		3,4449e-002
14,303		
14,313		
14,323		
14,333		
14,343		3,4448e-002
14,353		
14,363		
14,373		
14,383		
14,393		
14,404		
14,414		
14,424		
14,434		
14,444	2,9609	
14,454		
14,464		
14,474		
14,484		
14,494		
14,504		
14,514		3,4449e-002
14,525		
14,535		
14,545		
14,555		
14,565		
14,575		
14,585		
14,595		
14,605		
14,615		
14,625		
14,635		
14,646		
14,656		

14,666	
14,676	
14,686	
14,696	
14,706	
14,716	
14,726	
14,736	
14,746	
14,756	3,445e-002
14,767	
14,777	
14,787	
14,797	
14,807	
14,817	
14,827	
14,837	
14,847	
14,857	
14,867	
14,877	
14,887	
14,898	
14,908	
14,918	
14,928	
14,938	3,4451e-002
14,948	
14,958	
14,968	
14,978	
14,988	
14,998	
15,	



0, | | | |

FIGURE 42

Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Directional Deformation M X

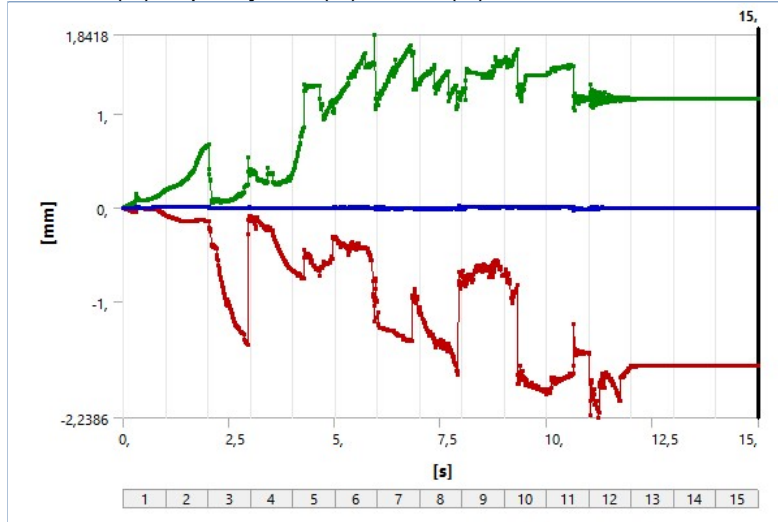


TABLE 35

Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Directional Deformation M X

Time [s]	Minimum [mm]	Maximum [mm]	Average [mm]
1,1755e-038	0,	0,	0,
1,0443e-002	-1,5168e-003	1,5123e-003	-7,5791e-007
2,0904e-002	-3,4832e-003	3,5071e-003	-1,7062e-006
3,1366e-002	-5,4238e-003	5,4767e-003	-2,5054e-006
4,1827e-002	-7,3478e-003	7,4203e-003	-2,8781e-006
5,2289e-002	-9,2719e-003	9,3841e-003	-3,8629e-006
6,275e-002	-1,1192e-002	1,1342e-002	-4,5933e-006
7,3211e-002	-1,3102e-002	1,3306e-002	-5,5588e-006
8,3672e-002	-1,5013e-002	1,5275e-002	-6,5308e-006
9,4132e-002	-1,6926e-002	1,7245e-002	-7,274e-006
0,10459	-1,8881e-002	1,9225e-002	-7,3688e-006
0,11505	-2,0843e-002	2,1216e-002	-8,0594e-006
0,12551	-2,2816e-002	2,3222e-002	-8,511e-006
0,13597	-2,48e-002	2,5236e-002	-8,5321e-006
0,14643	-2,6798e-002	2,7264e-002	-8,0385e-006
0,15689	-2,8806e-002	2,9306e-002	-7,1228e-006
0,16735	-3,0819e-002	3,1431e-002	-5,8512e-006
0,17781	-3,2828e-002	3,3611e-002	-3,4042e-006
0,18826	-3,4829e-002	3,5828e-002	1,2103e-006
0,19872	-3,6812e-002	3,81e-002	8,0074e-006
0,20918	-3,8757e-002	4,0433e-002	1,769e-005
0,21963	-4,0641e-002	4,286e-002	3,1733e-005
0,23009	-4,2423e-002	4,5418e-002	5,3471e-005
0,24054	-4,4049e-002	4,8176e-002	8,7089e-005
0,25099	-4,5402e-002	5,1256e-002	1,3997e-004
0,26145	-4,6281e-002	5,4888e-002	2,2617e-004
0,2719	-4,6284e-002	5,9523e-002	3,7303e-004
0,28235	-4,4507e-002	6,6095e-002	6,4129e-004
0,2928	-4,016e-002	8,1053e-002	1,1734e-003
0,30326	-2,8957e-002	0,11272	2,358e-003
0,31371	-7,3804e-004	0,1499	4,7749e-003
0,32417	-6,6365e-004	0,10986	3,9555e-003
0,33464	-1,2583e-003	9,2408e-002	2,5656e-003
0,3451	-1,8169e-003	8,76e-002	1,9775e-003
0,35556	-1,897e-003	9,3181e-002	2,7556e-003
0,36602	-1,0587e-003	9,2554e-002	3,2249e-003
0,37648	-3,7674e-003	8,5688e-002	2,7437e-003
0,38694	-3,3063e-003	8,0381e-002	2,1559e-003
0,3974	-4,2855e-003	8,0745e-002	2,2237e-003
0,40786	-4,9633e-003	8,4959e-002	2,7362e-003
0,41832	-4,947e-003	8,1281e-002	2,729e-003
0,42878	-7,6789e-003	7,7915e-002	2,3525e-003
0,43924	-5,0156e-003	7,8315e-002	2,2737e-003
0,4497	-6,8614e-003	8,0745e-002	2,4137e-003
0,46016	-7,3005e-003	8,1233e-002	2,4202e-003
0,47062	-8,5227e-003	7,93e-002	2,3817e-003
0,48108	-9,4867e-003	7,9176e-002	2,3959e-003
0,49154	-7,7533e-003	8,184e-002	2,3933e-003
0,502	-9,3181e-003	8,1894e-002	2,2694e-003
0,51246	-1,1218e-002	8,0677e-002	2,1884e-003
0,52292	-1,0854e-002	8,1182e-002	2,3599e-003
0,53337	-1,1315e-002	8,2909e-002	2,4856e-003
0,54383	-1,111e-002	8,4117e-002	2,3516e-003
0,55429	-1,2483e-002	8,3574e-002	2,1125e-003
0,56475	-1,3696e-002	8,307e-002	2,0926e-003
0,57521	-1,2857e-002	8,4444e-002	2,4007e-003

0,58567	-1,2991e-002	8,7068e-002	2,5211e-003
0,59613	-1,4001e-002	8,741e-002	2,2126e-003
0,60658	-1,5486e-002	8,6267e-002	2,0225e-003
0,61704	-1,5076e-002	8,8247e-002	2,2227e-003
0,6275	-1,4351e-002	9,059e-002	2,5e-003
0,63796	-1,5457e-002	9,1022e-002	2,4585e-003
0,64842	-1,6141e-002	9,2221e-002	2,2521e-003
0,65887	-1,6415e-002	9,3712e-002	2,2686e-003
0,66933	-1,6268e-002	9,574e-002	2,5388e-003
0,67979	-1,5662e-002	9,8066e-002	2,7629e-003
0,69025	-1,6228e-002	9,9277e-002	2,7108e-003
0,70071	-1,7071e-002	0,10037	2,5841e-003
0,71117	-1,7061e-002	0,10276	2,7317e-003
0,72162	-1,6522e-002	0,10482	2,9628e-003
0,73208	-1,6845e-002	0,10583	2,9981e-003
0,74254	-1,7479e-002	0,1073	3,0093e-003
0,753	-1,7104e-002	0,11044	3,0695e-003
0,76346	-1,7663e-002	0,11281	3,074e-003
0,77392	-1,8608e-002	0,11585	3,1295e-003
0,78438	-2,08e-002	0,12	3,2671e-003
0,79484	-2,2914e-002	0,12389	3,2922e-003
0,80529	-2,4819e-002	0,12131	3,0331e-003
0,81575	-2,8279e-002	0,12529	3,0975e-003
0,82621	-2,9522e-002	0,12917	3,2976e-003
0,83667	-3,2753e-002	0,13233	3,3488e-003
0,84713	-3,4324e-002	0,13513	3,2396e-003
0,85759	-3,7654e-002	0,1387	3,1782e-003
0,86805	-3,9562e-002	0,14156	3,2014e-003
0,8785	-4,308e-002	0,1461	3,3835e-003
0,88896	-4,5677e-002	0,14994	3,4336e-003
0,89942	-4,9303e-002	0,15346	3,3153e-003
0,90988	-5,2599e-002	0,15743	3,2564e-003
0,92033	-5,5825e-002	0,16175	3,304e-003
0,93079	-5,9398e-002	0,1653	3,3995e-003
0,94124	-6,2891e-002	0,16898	3,4564e-003
0,9517	-6,6078e-002	0,17343	3,3996e-003
0,96216	-6,9643e-002	0,17711	3,2875e-003
0,97261	-7,3383e-002	0,18092	3,3101e-003
0,98307	-7,6455e-002	0,18509	3,4491e-003
0,99352	-8,0109e-002	0,18913	3,4622e-003
1,	-8,2183e-002	0,19171	3,4222e-003
1,0105	-8,3724e-002	0,19319	3,4536e-003
1,0209	-8,5258e-002	0,19501	3,3874e-003
1,0314	-8,6457e-002	0,19706	3,3301e-003
1,0418	-8,7977e-002	0,19869	3,3281e-003
1,0523	-8,9469e-002	0,20045	3,4144e-003
1,0627	-9,0723e-002	0,20254	3,4669e-003
1,0732	-9,2499e-002	0,20418	3,3841e-003
1,0836	-9,4357e-002	0,20565	3,3088e-003
1,0941	-9,5872e-002	0,20768	3,3324e-003
1,1045	-9,7837e-002	0,20938	3,4022e-003
1,115	-9,9304e-002	0,21106	3,4099e-003
1,1255	-0,10128	0,21285	3,3706e-003
1,1359	-0,10285	0,21459	3,2949e-003
1,1464	-0,10492	0,21602	3,2773e-003
1,1568	-0,10649	0,21791	3,3424e-003
1,1673	-0,10808	0,21983	3,3664e-003
1,1777	-0,10996	0,22129	3,287e-003
1,1882	-0,11178	0,22291	3,2233e-003
1,1986	-0,11336	0,22482	3,2406e-003
1,2091	-0,11511	0,22652	3,2745e-003
1,2195	-0,1169	0,22825	3,2774e-003
1,23	-0,11849	0,23021	3,1907e-003
1,2404	-0,12029	0,23202	3,1606e-003
1,2509	-0,12195	0,23373	3,1812e-003
1,2613	-0,1236	0,23564	3,2005e-003
1,2718	-0,12529	0,23743	3,1819e-003
1,2823	-0,12694	0,23926	3,1384e-003
1,2927	-0,12856	0,24123	3,1028e-003
1,3032	-0,13031	0,24306	3,1018e-003
1,3136	-0,13198	0,24493	3,117e-003
1,3241	-0,1335	0,24698	3,1209e-003
1,3345	-0,13516	0,24899	3,0669e-003
1,345	-0,13693	0,25074	3,0045e-003
1,3554	-0,13856	0,2528	3,0206e-003
1,3659	-0,14075	0,2545	3,0061e-003
1,3763	-0,14119	0,25945	3,121e-003
1,3868	-0,14203	0,26483	3,1528e-003
1,3972	-0,14208	0,27066	3,3711e-003
1,4077	-0,143	0,27614	3,5413e-003
1,4181	-0,14344	0,28171	3,6455e-003
1,4286	-0,14414	0,28759	3,8682e-003
1,439	-0,13954	0,28892	4,5641e-003
1,4495	-0,14315	0,29055	4,1717e-003
1,4599	-0,14514	0,29369	4,1521e-003
1,4704	-0,14525	0,29809	4,5698e-003
1,4808	-0,1452	0,30071	4,6887e-003

	-0,14838	0,30311	4,4867e-003
1,5017	-0,14854	0,30905	4,5944e-003
1,5122	-0,14714	0,3154	4,8894e-003
1,5226	-0,14512	0,32179	5,1587e-003
1,5331	-0,14617	0,32773	5,2637e-003
1,5435	-0,1461	0,33284	5,3642e-003
1,554	-0,14584	0,33887	5,6262e-003
1,5644	-0,14529	0,34561	5,8038e-003
1,5749	-0,14534	0,35102	5,936e-003
1,5853	-0,14545	0,35678	6,2202e-003
1,5958	-0,14544	0,36296	6,3717e-003
1,6062	-0,14616	0,36868	6,4505e-003
1,6167	-0,146	0,3752	6,7423e-003
1,6271	-0,14581	0,38182	6,9753e-003
1,6376	-0,14763	0,38595	6,9905e-003
1,648	-0,14775	0,39113	7,2042e-003
1,6585	-0,14747	0,3975	7,4203e-003
1,669	-0,14819	0,40334	7,5496e-003
1,6794	-0,14837	0,40891	7,7618e-003
1,6899	-0,14826	0,41521	8,0308e-003
1,7003	-0,14822	0,42126	8,2176e-003
1,7108	-0,13939	0,45393	8,5303e-003
1,7212	-0,13302	0,4712	1,0182e-002
1,7317	-0,13305	0,48225	1,0305e-002
1,7421	-0,13914	0,48611	9,794e-003
1,7526	-0,13996	0,4955	9,9816e-003
1,763	-0,13566	0,51057	1,0597e-002
1,7735	-0,13286	0,52592	1,0923e-002
1,7839	-0,13533	0,53436	1,1232e-002
1,7944	-0,13503	0,54236	1,1116e-002
1,8048	-0,13432	0,55131	1,1324e-002
1,8153	-0,1323	0,56396	1,1715e-002
1,8257	-0,13268	0,57447	1,1949e-002
1,8362	-0,13256	0,58524	1,2183e-002
1,8466	-0,13144	0,59776	1,2548e-002
1,8571	-0,12994	0,60766	1,257e-002
1,8675	-0,13141	0,61132	1,2624e-002
1,878	-0,13239	0,61637	1,2753e-002
1,8885	-0,13254	0,62261	1,2843e-002
1,8989	-0,13336	0,62744	1,2941e-002
1,9094	-0,13372	0,6331	1,2962e-002
1,9198	-0,13481	0,63736	1,2925e-002
1,9303	-0,13613	0,6399	
1,9407	-0,13617	0,64578	1,312e-002
1,9512	-0,13602	0,65186	1,3257e-002
1,9616	-0,13786	0,65443	1,3215e-002
1,9721	-0,13873	0,65823	1,322e-002
1,9825	-0,13933	0,66253	1,326e-002
1,993	-0,14048	0,66541	1,3317e-002
2,	-0,14105	0,66773	1,3328e-002
2,0105	-0,14314	0,66831	1,3194e-002
2,0209	-0,14464	0,67482	1,315e-002
2,0313	-0,2082	0,41527	9,3377e-003
2,0417	-0,2295	0,35024	1,5663e-003
2,0521	-0,2305	0,30438	2,6185e-004
2,0625	-0,248	0,28349	1,0144e-003
2,0729	-0,22447	0,29959	-9,5248e-004
2,0833	-0,39339	8,0921e-002	9,6349e-004
2,0937	-0,38934	6,3942e-002	-5,1303e-003
2,1041	-0,40072	5,1869e-002	-9,9485e-003
2,1145	-0,39899	5,7896e-002	-5,1579e-003
2,1249	-0,39742	8,3527e-002	-3,6786e-003
2,1353	-0,42022	4,7505e-002	-5,469e-003
2,1457	-0,411	7,8e-002	-5,74e-003
2,1562	-0,41377	8,8981e-002	-4,9106e-003
2,1666	-0,41555	9,0459e-002	-5,6248e-003
2,177	-0,42706	7,9011e-002	-7,2062e-003
2,1874	-0,43463	7,9499e-002	-4,8174e-003
2,1978	-0,43532	9,6738e-002	-3,41e-003
2,2082	-0,50852	8,3824e-002	-7,1607e-003
2,2186	-0,54709	6,3497e-002	-8,0024e-003
2,229	-0,56481	8,9822e-002	-6,0559e-003
2,2394	-0,61335	7,6765e-002	-4,2878e-003
2,2499	-0,61398	7,2009e-002	-6,459e-003
2,2603	-0,63773	6,7672e-002	-1,0553e-002
2,2707	-0,67946	6,7171e-002	-7,9447e-003
2,2811	-0,71564	7,4576e-002	-4,3902e-003
2,2915	-0,74222	6,1982e-002	-6,8505e-003
2,3019	-0,75884	5,6271e-002	-1,0395e-002
2,3123	-0,76465	7,4389e-002	-8,3628e-003
2,3227	-0,79391	7,6418e-002	-6,4427e-003
2,3331	-0,81566	6,2706e-002	-8,2121e-003
2,3435	-0,83597	6,2659e-002	-8,0688e-003
2,3539	-0,85686	7,6567e-002	-6,5804e-003
2,3643	-0,86809	7,9418e-002	-8,3101e-003
2,3747	-0,90081	6,433e-002	-1,0054e-002
2,3851	-0,92312	6,5303e-002	-7,6146e-003

2,3955	-0,94315	7,6245e-002	-5,8818e-003
2,4059	-0,96117	7,4326e-002	-7,9609e-003
2,4163	-0,97905	6,9923e-002	-9,9722e-003
2,4267	-1,0058	7,1922e-002	-9,2473e-003
2,4371	-1,0337	7,3863e-002	-7,0429e-003
2,4475	-1,0494	7,4762e-002	-6,5666e-003
2,4579	-0,97713	7,6812e-002	-8,0298e-003
2,4684	-0,98591	7,0753e-002	-9,6453e-003
2,4788	-1,0026	8,0588e-002	-7,7871e-003
2,4892	-1,0245	7,2421e-002	-6,2131e-003
2,4996	-1,0333	6,9312e-002	-7,6328e-003
2,51	-1,0397	7,2986e-002	-8,302e-003
2,5204	-1,0503	7,6479e-002	-7,3333e-003
2,5308	-1,0677	7,9443e-002	-8,0317e-003
2,5412	-1,0908	7,3353e-002	-8,3778e-003
2,5516	-1,1085	7,8179e-002	-6,8397e-003
2,562	-1,1208	8,6452e-002	-6,5282e-003
2,5724	-1,1303	8,6466e-002	-8,2916e-003
2,5828	-1,1473	8,3345e-002	-9,0738e-003
2,5932	-1,166	8,8206e-002	-7,3497e-003
2,6036	-1,1834	9,3471e-002	-6,2166e-003
2,614	-1,1939	9,5636e-002	-7,1226e-003
2,6244	-1,2053	9,3082e-002	-8,4742e-003
2,6348	-1,2196	9,7679e-002	-8,4748e-003
2,6452	-1,235	0,10564	-6,9972e-003
2,6556	-1,2493	0,10529	-6,3504e-003
2,666	-1,2538	0,1102	-7,2973e-003
2,6764	-1,2596	0,11655	-7,7974e-003
2,6868	-1,2651	0,12501	-7,2602e-003
2,6972	-1,2693	0,12747	-7,1239e-003
2,7076	-1,2739	0,12931	-7,0733e-003
2,718	-1,279	0,13901	-6,42e-003
2,7284	-1,2842	0,14662	-6,695e-003
2,7388	-1,2881	0,14836	-7,8256e-003
2,7492	-1,2924	0,15329	-7,384e-003
2,7596	-1,3166	0,152	-4,6125e-003
2,77	-1,3211	0,13538	-4,7835e-003
2,7804	-1,3226	0,12032	-7,1061e-003
2,7908	-1,3251	0,13488	-7,2908e-003
2,8012	-1,3312	0,14346	-5,2236e-003
2,8116	-1,3355	0,15188	-4,949e-003
2,822	-1,3371	0,14644	-5,653e-003
2,8324	-1,3386	0,1538	-6,1155e-003
2,8428	-1,3426	0,16397	-6,3098e-003
2,8532	-1,3461	0,16643	-5,5063e-003
2,8636	-1,4119	0,21126	-5,3369e-003
2,874	-1,4209	0,22539	-3,6152e-003
2,8844	-1,4263	0,2333	-2,4212e-003
2,8948	-1,4349	0,23108	-4,3214e-003
2,9052	-1,433	0,23121	-5,6314e-003
2,9156	-1,4439	0,2298	-4,1351e-003
2,926	-1,4507	0,248	-2,6099e-003
2,9364	-1,4589	0,24349	-3,5156e-003
2,9468	-0,28163	0,53623	-4,7964e-004
2,9572	-0,13168	0,37894	2,542e-003
2,9676	-8,9355e-002	0,38401	4,3852e-003
2,978	-9,4346e-002	0,37293	-1,2762e-003
2,9884	-0,14	0,3449	-3,0418e-003
2,9987	-0,10757	0,38314	-1,0887e-003
3,	-9,007e-002	0,40933	6,6514e-004
3,0104	-9,345e-002	0,40681	2,7898e-003
3,0208	-0,12456	0,38788	2,0166e-003
3,0312	-0,12126	0,35544	-1,359e-003
3,0416	-0,12078	0,37428	-2,3275e-003
3,052	-0,1123	0,39044	-1,7681e-004
3,0624	-9,8445e-002	0,39699	2,1203e-003
3,0728	-0,12987	0,37755	2,5208e-003
3,0832	-0,14431	0,36659	-7,539e-004
3,0936	-0,1573	0,3637	-2,949e-003
3,104	-0,15359	0,38573	-5,9148e-004
3,1145	-0,16528	0,38541	1,9927e-003
3,1249	-0,195	0,36841	1,5585e-003
3,1353	-0,22474	0,35516	-7,1214e-004
3,1457	-0,22941	0,36984	-2,5009e-003
3,1561	-0,10371	0,31546	-6,9707e-004
3,1665	-0,12359	0,30971	1,7194e-003
3,1769	-0,13195	0,30152	1,1747e-003
3,1873	-0,14455	0,29174	1,7955e-004
3,1977	-0,13716	0,30805	-1,0147e-003
3,2081	-0,14133	0,30612	-1,1159e-003
3,2185	-0,15935	0,29706	2,9006e-004
3,2289	-0,15817	0,294	7,291e-004
3,2393	-0,16314	0,29556	1,0408e-003
3,2497	-0,16594	0,29538	-1,3534e-005
3,2601	-0,16797	0,29568	-1,7332e-003
3,2705	-0,18657	0,2841	-9,3846e-004
3,2809	-0,18942	0,28488	9,6024e-004

	-0,17965	0,29247	1,7452e-003
3,3017	-0,18677	0,28867	2,7456e-004
3,3121	-0,20038	0,27797	-2,1057e-003
3,3225	-0,21049	0,27371	-1,6336e-003
3,3329	-0,2114	0,27691	1,1804e-003
3,3433	-0,20197	0,28388	2,2424e-003
3,3536	-0,21097	0,27891	2,4514e-004
3,364	-0,23107	0,26262	-2,2969e-003
3,3744	-0,2366	0,26157	-1,8677e-003
3,3848	-0,22967	0,27042	1,1669e-003
3,3952	-0,2288	0,27245	2,2531e-003
3,4056	-0,24249	0,26705	1,2683e-005
3,4159	-0,2212	0,42023	-1,1077e-003
3,4263	-0,193	0,36185	-1,4197e-004
3,4367	-0,20583	0,37704	1,1607e-003
3,4471	-0,21755	0,37096	5,9345e-004
3,4575	-0,2222	0,37002	-7,2265e-004
3,4679	-0,2193	0,37675	-1,1345e-004
3,4783	-0,2139	0,37709	9,8686e-004
3,4887	-0,23414	0,36094	1,8383e-004
3,4991	-0,24535	0,35725	-1,3838e-003
3,5095	-0,24562	0,36367	-5,6403e-004
3,5199	-0,23866	0,36923	6,6804e-004
3,5303	-0,24725	0,36013	1,6962e-004
3,5406	-0,29831	0,27614	-2,1969e-003
3,551	-0,31228	0,25658	-1,4892e-003
3,5614	-0,31969	0,26757	7,2719e-004
3,5718	-0,33055	0,25718	-5,0668e-004
3,5822	-0,34726	0,24219	-3,1048e-003
3,5926	-0,35796	0,23946	-2,2715e-003
3,603	-0,36255	0,25812	1,1202e-004
3,6134	-0,37387	0,25591	-3,3213e-004
3,6237	-0,3885	0,24632	-2,7308e-003
3,6341	-0,40004	0,24996	-3,2875e-003
3,6445	-0,40778	0,25862	-1,1971e-003
3,6549	-0,41753	0,2655	-6,0636e-004
3,6653	-0,43216	0,25658	-2,4788e-003
3,6756	-0,44506	0,25157	-3,3874e-003
3,686	-0,45117	0,26541	-2,4686e-003
3,6964	-0,45865	0,27217	-1,6375e-003
3,7068	-0,47093	0,26675	-2,0246e-003
3,7171	-0,48351	0,26525	-2,9011e-003
3,7275	-0,49365	0,26809	-3,0787e-003
3,7379	-0,50055	0,27467	-2,75e-003
3,7482	-0,50874	0,27764	-2,7972e-003
3,7586	-0,5198	0,2756	-2,8145e-003
3,769	-0,53012	0,27622	-2,8155e-003
3,7793	-0,53164	0,28018	-2,9894e-003
3,7897	-0,54255	0,28635	-2,2825e-003
3,8001	-0,55284	0,26809	-2,0743e-003
3,8105	-0,56115	0,2728	-3,0324e-003
3,8209	-0,57064	0,26717	-3,2265e-003
3,8313	-0,57634	0,27198	-3,1365e-003
3,8416	-0,58337	0,28273	-2,9931e-003
3,852	-0,59515	0,2698	-2,8221e-003
3,8624	-0,6047	0,2823	-3,7504e-003
3,8728	-0,61871	0,28328	-4,1212e-003
3,8831	-0,61579	0,29471	-3,6088e-003
3,8935	-0,62774	0,32917	-3,525e-003
3,9039	-0,63089	0,29315	-3,6958e-003
3,9143	-0,63762	0,32637	-3,7584e-003
3,9246	-0,64237	0,28277	-3,6965e-003
3,935	-0,64366	0,32629	-3,4266e-003
3,9454	-0,64939	0,30934	-3,7454e-003
3,9558	-0,6543	0,31589	-4,2373e-003
3,9661	-0,66063	0,32327	-3,8976e-003
3,9765	-0,66056	0,34843	-3,1992e-003
3,9869	-0,66456	0,36352	-3,0988e-003
3,9973	-0,66982	0,35538	-3,7695e-003
4,	-0,67164	0,35763	-4,2213e-003
4,0104	-0,67399	0,37144	-3,3301e-003
4,0207	-0,67465	0,39696	-2,8016e-003
4,0311	-0,68008	0,40368	-3,4199e-003
4,0415	-0,68554	0,40547	-4,1539e-003
4,0518	-0,68872	0,42286	-4,122e-003
4,0622	-0,68972	0,45193	-3,179e-003
4,0726	-0,69101	0,47964	-2,6082e-003
4,0829	-0,69609	0,49967	-3,1871e-003
4,0933	-0,70132	0,51321	-3,9594e-003
4,1036	-0,70303	0,54603	-3,6278e-003
4,1139	-0,7318	0,58733	-2,8427e-003
4,1242	-0,70284	0,59599	-2,402e-003
4,1346	-0,70525	0,61554	-2,7454e-003
4,1447	-0,69957	0,63663	-3,0097e-003
4,1551	-0,71485	0,64998	-3,1289e-003
4,1654	-0,71239	0,67812	-2,6662e-003
4,1758	-0,71803	0,68706	-2,21e-003

	-0,72632	0,75553	-2,4351e-003
4,1962	-0,75115	0,7748	-2,7423e-003
4,2065	-0,74615	0,76332	-2,3445e-003
4,2168	-0,75045	0,79569	-1,7028e-003
4,2272	-0,75592	0,80809	-1,6297e-003
4,2375	-0,75547	0,82551	-2,1497e-003
4,2479	-0,75388	0,83734	-2,3671e-003
4,2582	-0,75472	0,86279	-1,85e-003
4,2681	-0,53395	1,317	8,4012e-004
4,2785	-0,45186	1,2403	2,054e-003
4,2888	-0,50085	1,2437	1,3228e-004
4,2991	-0,51324	1,2582	-3,011e-003
4,3094	-0,49604	1,2678	-6,1902e-005
4,3198	-0,49334	1,278	2,3518e-003
4,3301	-0,51053	1,2805	-8,1873e-004
4,3405	-0,52703	1,2907	-2,5965e-003
4,3508	-0,51099	1,2971	-5,85e-004
4,3612	-0,49272	1,2931	9,2254e-004
4,3715	-0,51835	1,2959	-3,6771e-004
4,3819	-0,52778	1,296	-2,6488e-003
4,3922	-0,52189	1,2953	-6,8644e-004
4,4026	-0,50698	1,2958	1,2887e-003
4,4129	-0,5152	1,2941	-1,6863e-003
4,4233	-0,58321	1,2958	-4,0963e-003
4,4336	-0,57422	1,2954	-1,7613e-003
4,444	-0,56566	1,2935	1,0439e-003
4,4543	-0,57235	1,2948	-8,5639e-006
4,4647	-0,58668	1,2938	-3,0535e-003
4,475	-0,61002	1,2933	-3,6462e-003
4,4853	-0,6124	1,293	-1,0064e-003
4,4957	-0,60942	1,2923	-2,4534e-004
4,506	-0,61391	1,3031	-1,6713e-003
4,5164	-0,62544	1,3033	-2,879e-003
4,5267	-0,62933	1,3024	-2,6263e-003
4,537	-0,63563	1,3023	-1,7189e-003
4,5474	-0,65394	1,3019	-1,8839e-003
4,5577	-0,6563	1,301	-2,2761e-003
4,568	-0,65681	1,3017	-2,2303e-003
4,5784	-0,6371	1,306	-2,5551e-003
4,5887	-0,65031	1,303	-1,7569e-003
4,5991	-0,65424	1,3029	-4,394e-004
4,6095	-0,66204	1,3034	-1,9027e-003
4,6198	-0,66995	1,3013	-3,0715e-003
4,6302	-0,67355	1,3001	-2,2221e-003
4,6405	-0,67436	1,3002	-1,2017e-003
4,6509	-0,71892	1,1567	3,5051e-004
4,6613	-0,64925	1,0533	-8,9445e-004
4,6716	-0,64352	1,0738	-1,5943e-003
4,682	-0,62686	1,0498	2,6662e-004
4,6923	-0,632	1,0906	1,3585e-003
4,7027	-0,63016	1,1005	9,682e-004
4,713	-0,64032	1,1059	1,163e-003
4,7234	-0,60661	0,93753	1,1711e-003
4,7337	-0,57372	0,98076	1,1109e-003
4,744	-0,60794	0,93789	-2,9798e-003
4,7544	-0,59688	0,95381	-1,1682e-003
4,7647	-0,58092	0,97431	2,4861e-003
4,7751	-0,59585	0,99113	-3,3384e-004
4,7854	-0,60252	0,99617	-3,302e-003
4,7958	-0,59291	0,99988	-8,0335e-004
4,8061	-0,60143	1,0164	2,8549e-003
4,8165	-0,59195	1,0207	1,3746e-003
4,8268	-0,59632	1,0186	-2,9105e-003
4,8372	-0,58471	1,0435	-1,8519e-003
4,8475	-0,58033	1,0644	2,6706e-003
4,8579	-0,58295	1,0684	2,3067e-003
4,8682	-0,59306	1,0693	-1,4992e-003
4,8785	-0,58948	1,0791	-1,6693e-003
4,8889	-0,56536	1,1089	1,4711e-003
4,8992	-0,55456	1,1219	2,563e-003
4,9096	-0,53859	1,1109	1,1937e-003
4,9199	-0,53789	1,1162	-5,8127e-004
4,9302	-0,51953	1,1287	3,1371e-004
4,9406	-0,54576	1,154	2,5383e-003
4,9509	-0,31987	1,1249	2,7031e-003
4,9612	-0,31178	1,0189	1,9621e-003
4,9716	-0,31684	1,0152	1,5059e-003
4,9819	-0,30386	1,0551	1,8601e-003
4,9923	-0,30319	1,1152	3,8188e-003
5,	-0,30312	1,1144	3,0832e-003
5,0104	-0,30302	1,1248	4,0722e-003
5,0207	-0,33053	1,1251	3,0775e-003
5,031	-0,33643	1,1338	9,1094e-004
5,0414	-0,33379	1,1475	1,083e-003
5,0517	-0,32715	1,1568	2,3557e-003
5,0621	-0,35266	1,163	2,1145e-003
5,0724	-0,37365	1,166	1,6228e-003

	-0,36715	1,1742	9,478e-004
5,0931	-0,36298	1,1808	1,9021e-003
5,1034	-0,3682	1,1891	6,3893e-004
5,1138	-0,38221	1,1836	1,6443e-003
5,1241	-0,39238	1,1959	3,2718e-003
5,1344	-0,41206	1,2089	3,3588e-003
5,1448	-0,41582	1,2161	1,4088e-003
5,1551	-0,3989	1,217	1,9294e-004
5,1655	-0,38941	1,2295	1,2492e-003
5,1758	-0,37955	1,241	3,1963e-003
5,1861	-0,37223	1,247	3,3421e-003
5,1965	-0,37856	1,2522	1,394e-003
5,2068	-0,39482	1,2549	2,2377e-004
5,2171	-0,40245	1,2581	1,4485e-003
5,2275	-0,38992	1,273	2,9709e-003
5,2378	-0,39218	1,2797	2,9694e-003
5,2481	-0,41188	1,2804	1,5424e-003
5,2584	-0,42112	1,2849	6,8688e-004
5,2688	-0,42137	1,2921	1,3831e-003
5,2791	-0,41763	1,3004	2,3485e-003
5,2894	-0,42025	1,307	2,5049e-003
5,2997	-0,4322	1,3105	1,4501e-003
5,3101	-0,50658	1,3147	1,175e-003
5,3204	-0,49254	1,3304	5,9648e-004
5,3308	-0,48002	1,3831	2,2308e-003
5,3411	-0,46877	1,3899	4,5953e-003
5,3515	-0,44663	1,3827	3,257e-003
5,3618	-0,40603	1,381	2,1318e-003
5,3722	-0,43062	1,3906	2,6151e-003
5,3825	-0,39547	1,4161	3,0514e-003
5,3929	-0,37297	1,4205	3,5394e-003
5,4033	-0,37741	1,4179	4,7656e-003
5,4136	-0,36068	1,4193	3,8016e-003
5,4239	-0,40164	1,4322	2,5205e-003
5,4343	-0,39556	1,4359	2,061e-003
5,4447	-0,40274	1,4456	3,8784e-003
5,455	-0,39915	1,4562	5,0085e-003
5,4653	-0,41357	1,4035	1,0264e-003
5,4757	-0,42316	1,4203	1,2536e-003
5,486	-0,42754	1,4576	3,8634e-003
5,4964	-0,41798	1,4686	3,8861e-003
5,5067	-0,40915	1,4565	1,2458e-003
5,517	-0,44679	1,4856	5,539e-004
5,5274	-0,37229	1,5035	4,0796e-003
5,5377	-0,37563	1,4983	6,4835e-003
5,548	-0,39169	1,4926	3,7637e-003
5,5583	-0,40118	1,4982	1,1068e-003
5,5687	-0,38353	1,521	2,4787e-003
5,579	-0,42488	1,5305	5,4947e-003
5,5893	-0,43138	1,5323	5,3867e-003
5,5996	-0,41713	1,5359	2,9962e-003
5,6099	-0,43674	1,5407	2,0482e-003
5,6203	-0,43147	1,5634	2,9665e-003
5,6306	-0,42994	1,5693	4,6808e-003
5,6409	-0,42509	1,6006	5,7071e-003
5,6512	-0,42525	1,5979	5,4111e-003
5,6615	-0,43878	1,6039	3,7554e-003
5,6718	-0,43068	1,6142	2,93e-003
5,6822	-0,42852	1,6193	4,4981e-003
5,6925	-0,42259	1,6295	6,4068e-003
5,7028	-0,4272	1,6445	5,7724e-003
5,7131	-0,43192	1,6516	4,2264e-003
5,7234	-0,41969	1,4918	1,0777e-003
5,7337	-0,42827	1,5032	-2,6351e-005
5,7441	-0,428	1,5212	3,4005e-003
5,7544	-0,43902	1,5134	4,6419e-003
5,7647	-0,43626	1,4993	2,8691e-003
5,7751	-0,44307	1,5068	-1,1739e-004
5,7854	-0,47354	1,4962	7,1894e-005
5,7957	-0,47055	1,5321	2,2924e-003
5,8061	-0,49859	1,4977	2,7511e-003
5,8164	-0,48603	1,5131	2,1223e-004
5,8268	-0,50236	1,5022	-2,6922e-004
5,8371	-0,5469	1,5172	1,8535e-003
5,8474	-0,55879	1,5217	8,9462e-004
5,8577	-0,55629	1,5333	-3,1608e-003
5,8681	-0,55631	1,5193	-3,3206e-003
5,8784	-0,55409	1,5207	1,3867e-003
5,8887	-0,78594	1,532	-1,3583e-003
5,899	-0,92399	1,553	-6,2614e-003
5,9093	-0,94291	1,5349	-8,831e-003
5,9197	-0,98647	1,5273	-4,669e-003
5,93	-1,0388	1,5425	2,8488e-004
5,9401	-1,215	1,8418	-2,2531e-003
5,9504	-0,7539	1,0952	-1,1949e-002
5,9607	-0,77792	1,0562	-9,7741e-003
5,9711	-0,85814	1,1626	5,9302e-003

	-1,0084	1,1613	1,0686e-002
5,9917	-0,98803	1,1454	-6,1629e-003
6,	-1,1702	1,1393	-3,5443e-003
6,0103	-1,1183	1,0908	-1,9612e-002
6,0207	-1,2327	1,1652	-1,1644e-002
6,031	-1,2588	1,2138	9,0186e-003
6,0414	-1,2774	1,2041	9,369e-003
6,0517	-1,2749	1,182	-1,1715e-002
6,062	-1,2747	1,1626	-2,0263e-002
6,0724	-1,2784	1,1968	-4,7315e-003
6,0827	-1,2797	1,2454	9,5179e-003
6,093	-1,2831	1,2319	1,7646e-003
6,1034	-1,2812	1,2193	-1,5438e-002
6,1137	-1,2838	1,2213	-1,5467e-002
6,124	-1,2839	1,2459	-7,413e-004
6,1344	-1,2871	1,2733	5,6544e-003
6,1447	-1,2877	1,2753	-4,0018e-003
6,155	-1,2913	1,2611	-1,5002e-002
6,1653	-1,2901	1,2663	-1,1567e-002
6,1757	-1,2912	1,2897	4,1846e-004
6,186	-1,2926	1,3118	2,5102e-003
6,1963	-1,2968	1,3016	-7,7474e-003
6,2067	-1,2982	1,2971	-1,5112e-002
6,217	-1,2979	1,3143	-9,2759e-003
6,2273	-1,2988	1,3407	1,3607e-003
6,2376	-1,3015	1,3625	5,348e-004
6,248	-1,3022	1,3592	-1,0066e-002
6,2583	-1,3028	1,3478	-1,4061e-002
6,2686	-1,3036	1,3635	-6,4178e-003
6,2789	-1,3049	1,4034	1,8191e-004
6,2892	-1,3063	1,4192	-3,2321e-003
6,2996	-1,306	1,4228	-1,0152e-002
6,3099	-1,307	1,4099	-1,0007e-002
6,3202	-1,3075	1,4392	-4,3265e-003
6,3305	-1,3082	1,4574	-2,9742e-003
6,3409	-1,3083	1,4565	-7,2959e-003
6,3512	-1,3074	1,4607	-9,5711e-003
6,3615	-1,3066	1,473	-6,6626e-003
6,3719		1,4873	-5,223e-003
6,3822	-1,3051	1,495	-7,5425e-003
6,3925	-1,3044	1,4956	-8,574e-003
6,4028	-1,3208	1,3984	-1,0004e-002
6,4132	-1,3309	1,5761	-9,8383e-003
6,4235	-1,3334	1,4344	-1,0695e-002
6,4338	-1,3387	1,4758	-1,1556e-002
6,4441	-1,3432	1,5016	-1,0374e-002
6,4545	-1,3535	1,4784	-9,6721e-003
6,4648	-1,3562	1,4725	-1,0611e-002
6,4751	-1,3571	1,5114	-1,1544e-002
6,4854	-1,3553	1,5266	-8,8725e-003
6,4957	-1,3615	1,5173	-8,307e-003
6,5061	-1,362	1,5201	-1,0521e-002
6,5164	-1,3608	1,5338	-1,2192e-002
6,5267	-1,3633	1,542	-1,0308e-002
6,537	-1,3668	1,5447	-7,7511e-003
6,5473	-1,3654	1,5486	-8,4301e-003
6,5576	-1,3645	1,5589	-1,1106e-002
6,568	-1,3683	1,5643	-1,1049e-002
6,5783	-1,3686	1,5647	-8,9243e-003
6,5886		1,5736	-8,9959e-003
6,5989	-1,3677	1,5863	-1,0294e-002
6,6092	-1,369	1,5949	-9,7864e-003
6,6195	-1,4087	1,6	-2,6614e-003
6,6298	-1,4043	1,6074	-5,2548e-004
6,6401	-1,399	1,6145	-5,2651e-003
6,6504	-1,3981	1,6246	-9,4772e-003
6,6607	-1,4025	1,6308	-5,9617e-003
6,671	-1,4058	1,6386	-3,7749e-004
6,6813	-1,4123	1,651	-2,3332e-003
6,6916	-1,4075	1,6569	-7,3738e-003
6,7019	-1,4097	1,6633	-6,6872e-003
6,7121	-1,4131	1,6702	-1,8389e-003
6,7224	-1,4127	1,6815	-1,8077e-003
6,7327	-1,4111	1,6907	-5,7325e-003
6,743	-1,4108	1,695	-6,1899e-003
6,7533	-1,414	1,7009	-2,6314e-003
6,7636	-1,4144	1,7106	-1,2781e-003
6,7738	-1,4128	1,7213	-4,0216e-003
6,7841	-1,4123	1,724	-5,925e-003
6,7944	-1,4165	1,6668	9,4984e-004
6,8047	-1,4104	1,673	2,4768e-003
6,815	-1,416	1,6223	-4,603e-003
6,8253	-0,93482	1,6589	-9,6891e-003
6,8356	-0,96475	1,6188	-7,9846e-003
6,8459	-0,96063	1,6652	-2,0754e-003
6,8562	-1,0025	1,6525	-2,1615e-003
6,8664	-0,97598	1,2556	-1,0188e-002



6,8768	-0,92699	1,3671	-1,2441e-002
6,8872	-0,90647	1,3079	-1,3853e-003
6,8975	-0,86895	1,2562	2,6402e-003
6,9079	-0,95672	1,2534	-7,3568e-003
6,9182	-1,0238	1,2854	-1,4151e-002
6,9286	-1,0022	1,3344	-5,7785e-003
6,939	-0,9422	1,3183	-8,3781e-004
6,9493	-0,94869	1,3144	-3,1247e-003
6,9597	-0,97297	1,3146	-5,9229e-003
6,9701	-1,1151	1,322	-1,1437e-002
6,9805	-1,093	1,3331	-1,2113e-002
6,9908	-1,0676	1,329	-8,6104e-003
7,	-1,0584	1,3197	-6,2117e-003
7,0104	-1,1006	1,3468	-5,0054e-003
7,0207	-1,1422	1,3724	-9,6654e-003
7,0311	-1,1472	1,3543	-1,2406e-002
7,0415	-1,1222	1,352	-9,4242e-003
7,0518	-1,1479	1,3818	-7,3715e-003
7,0622	-1,178	1,3942	-8,1248e-003
7,0726	-1,1777	1,3879	-1,0565e-002
7,0829	-1,1803	1,3781	-1,081e-002
7,0933	-1,1992	1,3975	-1,0048e-002
7,1036	-1,2159	1,4147	-8,8829e-003
7,114	-1,2286	1,4179	-8,6541e-003
7,1244	-1,2259	1,4065	-1,1307e-002
7,1347	-1,2414	1,4113	-1,1153e-002
7,1451	-1,264	1,4278	-1,0519e-002
7,1554	-1,2769	1,4234	-1,0121e-002
7,1658	-1,2841	1,4197	-1,1006e-002
7,1761	-1,29	1,4118	-1,2752e-002
7,1865	-1,3043	1,4306	-1,2239e-002
7,1968	-1,3128	1,4503	-9,7688e-003
7,2072	-1,3157	1,4507	-9,0704e-003
7,2175	-1,321	1,4458	-1,2065e-002
7,2278	-1,3465	1,4478	-1,3699e-002
7,2382	-1,3579	1,4316	-1,2228e-002
7,2485	-1,3692	1,4544	-9,8687e-003
7,2589	-1,3197	1,4522	-9,0777e-003
7,2692	-1,3297	1,4439	-1,5291e-002
7,2795	-1,3511	1,4618	-1,4062e-002
7,2899	-1,3508	1,4786	-8,2579e-003
7,3002	-1,35	1,4814	-8,2335e-003
7,3106	-1,3802	1,4815	-1,3598e-002
7,3209	-1,3972	1,4851	-1,5156e-002
7,3312	-1,3956	1,4858	-1,1165e-002
7,3416	-1,4056	1,5229	-9,33e-003
7,3519	-1,4313	1,2808	-9,5869e-003
7,3623	-1,4662	1,2731	-6,9759e-003
7,3727	-1,4907	1,2142	-1,5405e-002
7,383	-1,4576	1,2726	-2,1008e-002
7,3934	-1,4432	1,29	-1,143e-002
7,4038	-1,435	1,3203	-7,3291e-003
7,4142	-1,4683	1,2859	-1,3506e-002
7,4246	-1,4562	1,2633	-1,9687e-002
7,435	-1,4544	1,3059	-1,4199e-002
7,4454	-1,424	1,3258	-3,9339e-003
7,4558	-1,4154	1,2979	-9,2281e-003
7,4661	-1,4487	1,3371	-1,9332e-002
7,4765	-1,4148	1,3137	-1,5098e-002
7,4869	-1,4074	1,3621	-4,3298e-003
7,4972	-1,4311	1,3449	-7,2593e-003
7,5076	-1,4887	1,3534	-1,7927e-002
7,518	-1,4834	1,3575	-1,4743e-002
7,5284	-1,458	1,37	-5,0566e-003
7,5387	-1,4672	1,3843	-7,6383e-003
7,5491	-1,507	1,3795	-1,6923e-002
7,5595	-1,4968	1,382	-1,2583e-002
7,5699	-1,4165	1,397	-4,8601e-003
7,5802	-1,4541	1,4052	-1,0419e-002
7,5906	-1,4777	1,4103	-1,2833e-002
7,601	-1,4526	1,4083	-8,0984e-003
7,6113	-1,4641	1,4182	-7,0319e-003
7,6217	-1,5063	1,4339	-1,126e-002
7,6321	-1,5023	1,4283	-1,0848e-002
7,6424	-1,4813	1,4293	-7,1464e-003
7,6528	-1,508	1,449	-8,6932e-003
7,6632	-1,5343	1,454	-1,1565e-002
7,6735	-1,461	1,4548	-9,1597e-003
7,6839	-1,4479	1,2234	-7,4111e-003
7,6942	-1,492	1,1378	-9,9612e-003
7,7046	-1,4948	1,2017	-1,238e-002
7,7149	-1,4959	1,1745	-9,0414e-003
7,7253	-1,4979	1,2163	-7,3381e-003
7,7356	-1,5212	1,214	-1,0641e-002
7,746	-1,544	1,2122	-1,132e-002
7,7563	-1,5462	1,2233	-8,9057e-003
7,7667	-1,5542	1,2333	-8,9443e-003

	-1,568	1,2425	-1,0611e-002
7,7873	-1,5804	1,2524	-9,7818e-003
7,7977	-1,5873	1,2626	-8,9244e-003
7,808	-1,5973	1,2639	-1,0064e-002
7,8184	-1,6419	1,273	-1,0628e-002
7,8287	-1,6519	1,2839	-1,0256e-002
7,839	-1,6572	1,2925	-9,8885e-003
7,8494	-1,6752	1,2997	-1,0486e-002
7,8597	-1,6861	1,3046	-1,1225e-002
7,8701	-1,7338	1,045	-1,6855e-002
7,8804	-1,6734	1,0762	-1,3096e-002
7,8908	-1,785	1,0837	-1,5787e-002
7,9012	-1,7409	1,0919	-1,7291e-002
7,9115	-1,7667	1,0864	-1,6682e-002
7,9215	-0,68865	1,1669	1,9363e-002
7,9316	-0,78766	1,2359	5,0547e-003
7,9418	-0,81797	1,1691	-1,6848e-002
7,952	-0,86384	1,1428	-1,7702e-002
7,9621	-0,81562	1,1941	-9,2406e-003
7,9723	-0,79217	1,2242	6,9714e-003
7,9825	-0,72972	1,2325	4,9359e-003
7,9926	-0,69716	1,2227	1,1952e-002
8,	-0,72372	1,2061	7,0557e-003
8,0101	-0,67101	1,2403	1,4852e-002
8,0203	-0,73125	1,2671	1,2325e-002
8,0305	-0,82357	1,2342	-1,1036e-002
8,0407	-0,80875	1,2284	-2,0267e-002
8,0508	-0,80074	1,2355	-4,7682e-003
8,061	-0,74459	1,2574	1,4168e-002
8,0712	-0,76331	1,2711	8,8479e-003
8,0813	-0,83043	1,1457	-5,9396e-003
8,0915	-0,73458	1,3569	-4,1914e-003
8,1017	-0,809	1,4852	8,2999e-003
8,112	-0,71999	1,4435	8,5009e-003
8,1222	-0,74234	1,4586	5,8041e-003
8,1324	-0,71185	1,4608	5,4346e-003
8,1426	-0,73721	1,4542	5,7107e-003
8,1529	-0,77315	1,4482	6,2445e-003
8,1631	-0,74865	1,4469	6,1026e-003
8,1733	-0,71837	1,4518	4,4179e-003
8,1836	-0,73795	1,4492	5,8617e-003
8,1938	-0,76036	1,4459	7,7449e-003
8,2041	-0,74576	1,4447	5,7096e-003
8,2143	-0,73986	1,4436	3,6459e-003
8,2245	-0,76329	1,4451	5,9242e-003
8,2348	-0,7926	1,4442	7,1407e-003
8,245	-0,73085	1,4417	6,8474e-003
8,2552	-0,76412	1,4403	7,365e-003
8,2654	-0,76297	1,4404	6,4085e-003
8,2757	-0,70525	1,44	5,047e-003
8,2859	-0,66639	1,4385	6,495e-003
8,2961	-0,66974	1,4378	8,2748e-003
8,3064	-0,687	1,4362	6,1871e-003
8,3166	-0,68	1,4355	4,3845e-003
8,3268	-0,65119	1,4357	6,7541e-003
8,337	-0,62783	1,4344	7,6089e-003
8,3473	-0,64366	1,4323	4,4724e-003
8,3575	-0,61356	1,4311	4,65e-003
8,3677	-0,66197	1,4315	6,8419e-003
8,3779	-0,66583	1,4298	5,4382e-003
8,3881	-0,66908	1,428	2,9573e-003
8,3984	-0,65859	1,4275	4,799e-003
8,4086	-0,65179	1,4262	7,0518e-003
8,4188	-0,64536	1,4258	4,2739e-003
8,429	-0,6227	1,4244	2,2007e-003
8,4392	-0,61523	1,4238	4,3015e-003
8,4494	-0,61578	1,4219	5,9312e-003
8,4597	-0,6244	1,4203	3,9462e-003
8,4699	-0,64323	1,4206	2,1062e-003
8,4801	-0,68085	1,4211	2,7507e-003
8,4903	-0,62873	1,3899	3,8306e-003
8,5006	-0,66565	1,3976	-1,3612e-003
8,5108	-0,60823	1,3811	1,4979e-003
8,5211	-0,60463	1,4142	1,1805e-002
8,5314	-0,61392	1,4128	1,4886e-002
8,5417	-0,63525	1,3862	4,3899e-003
8,552	-0,64189	1,3874	-3,4818e-003
8,5622	-0,63396	1,385	2,675e-003
8,5725	-0,62517	1,422	1,2903e-002
8,5828	-0,6685	1,426	1,2471e-002
8,5931	-0,63287	1,3931	4,2476e-003
8,6033	-0,67102	1,3811	-3,5095e-004
8,6136	-0,67431	1,3876	3,3211e-003
8,6239	-0,64786	1,3941	9,1858e-003
8,6342	-0,65646	1,4247	1,1391e-002
8,6445	-0,73802	1,4378	7,3757e-003
8,6547	-0,70948	1,3864	6,8785e-004

	-0,71125	1,393	-9,6338e-004
8,6753	-0,6253	1,4526	6,6686e-003
8,6856	-0,61063	1,4152	1,3941e-002
8,6959	-0,65946	1,4222	1,0503e-002
8,7062	-0,72954	1,3843	2,9104e-005
8,7165	-0,7346	1,4147	-3,8254e-003
8,7267	-0,70132	1,4062	4,9855e-003
8,737	-0,58979	1,5149	1,5124e-002
8,7473	-0,57837	1,5097	1,1152e-002
8,7576	-0,65348	1,4637	1,3072e-003
8,7679	-0,68921	1,4533	-1,1566e-003
8,7782	-0,59138	1,5096	3,6096e-003
8,7884	-0,55457	1,5745	9,4036e-003
8,7987	-0,56396	1,6014	1,0592e-002
8,809	-0,56275	1,5341	7,1329e-003
8,8193	-0,61637	1,5107	1,632e-003
8,8296	-0,61276	1,5112	1,1204e-003
8,8398	-0,59545	1,5449	6,9649e-003
8,8501	-0,57967	1,5649	1,17e-002
8,8604	-0,611	1,5517	8,7749e-003
8,8707	-0,64351	1,5291	2,8999e-003
8,881	-0,6539	1,5225	2,0554e-003
8,8913	-0,6402	1,545	6,8521e-003
8,9016	-0,63068	1,5607	9,9946e-003
8,9118	-0,65735	1,5117	7,315e-003
8,9221	-0,65096	1,5255	4,112e-003
8,9324	-0,72259	1,5322	6,9163e-003
8,9427	-0,72026	1,5372	9,7282e-003
8,953	-0,72065	1,5416	7,1307e-003
8,9633	-0,72548	1,5436	3,9308e-003
8,9736	-0,72755	1,5503	6,0606e-003
8,9839	-0,72381	1,5672	9,7031e-003
8,9942	-0,73228	1,5719	8,5004e-003
9,	-0,72741	1,5769	9,3883e-003
9,0103	-0,72776	1,5807	9,0474e-003
9,0206	-0,71834	1,5831	6,6203e-003
9,0309	-0,65598	1,6091	8,5015e-003
9,0412	-0,65711	1,5689	1,2563e-002
9,0515	-0,67916	1,5928	1,2597e-002
9,0618	-0,75211	1,5409	6,7378e-003
9,0722	-0,79067	1,4932	1,59e-004
9,0825	-0,79666	1,5157	1,2843e-003
9,0928	-0,70798	1,5574	8,1388e-003
9,1031	-0,69617	1,5774	1,2025e-002
9,1135	-0,70739	1,5692	8,5825e-003
9,1238	-0,77497	1,5426	2,64e-003
9,1341	-0,81207	1,5328	1,5734e-003
9,1444	-0,7654	1,5602	5,7893e-003
9,1548	-0,96183	1,5025	8,253e-003
9,1651	-0,95703	1,5322	7,7265e-003
9,1754	-0,97906	1,5403	4,4036e-003
9,1858	-1,0219	1,5172	2,4051e-003
9,1961	-0,98677	1,5478	3,829e-003
9,2064	-0,94644	1,581	7,3458e-003
9,2168	-0,92166	1,6058	9,2718e-003
9,2271	-0,89618	1,6183	7,9405e-003
9,2375	-0,90894	1,6218	7,2285e-003
9,2478	-0,90155	1,627	7,631e-003
9,2581	-0,90914	1,6241	7,3662e-003
9,2685	-0,90862	1,632	6,7139e-003
9,2788	-0,89455	1,6493	6,0194e-003
9,2892	-0,86632	1,6659	7,5309e-003
9,2995	-0,8253	1,6913	9,705e-003
9,3093	-1,7742	1,2923	1,1391e-002
9,3196	-1,8789	1,2086	1,1107e-002
9,3299	-1,8416	1,2221	3,6671e-004
9,3403	-1,8174	1,2466	4,2248e-004
9,3506	-1,8815	1,2368	8,0051e-003
9,361	-1,8129	1,314	8,8536e-003
9,3713	-1,6891	1,1897	6,6981e-003
9,3817	-1,7534	1,1707	5,871e-003
9,392	-1,7759	1,1395	2,0757e-003
9,4024	-1,8176	1,1807	1,607e-003
9,4127	-1,747	1,2097	6,3562e-003
9,4231	-1,738	1,2396	9,4394e-003
9,4334	-1,7885	1,2691	7,0716e-003
9,4438	-1,8341	1,2476	1,082e-003
9,4541	-1,8368	1,2552	6,9012e-004
9,4645	-1,8184	1,2536	6,4385e-003
9,4748	-1,8153	1,3092	8,3744e-003
9,4852	-1,8224	1,3531	5,4963e-003
9,4955	-1,8722	1,3975	2,161e-003
9,5059	-1,8864	1,3997	1,1982e-003
9,5163	-1,8655	1,4093	5,5827e-003
9,5266	-1,8592	1,4068	6,8431e-003
9,537	-1,838	1,4049	5,5573e-003
9,5473	-1,8732	1,412	4,878e-003

	-1,8894	1,4107	1,9696e-003
9,568	-1,8886	1,4084	2,7103e-003
9,5783	-1,8727	1,4082	7,2163e-003
9,5886	-1,8937		7,0914e-003
9,599	-1,8987	1,4076	2,8277e-003
9,6093	-1,8996	1,41	1,6556e-003
9,6196	-1,8966	1,4107	4,3075e-003
9,63	-1,8845	1,4076	5,344e-003
9,6403	-1,8615	1,4066	5,0362e-003
9,6507	-1,9043	1,4093	4,7354e-003
9,661	-1,9123	1,4107	3,4071e-003
9,6714	-1,9151	1,4105	2,9503e-003
9,6817	-1,8999	1,4089	3,7187e-003
9,692	-1,8902	1,4071	4,434e-003
9,7024	-1,9088	1,4097	3,2647e-003
9,7127	-1,9215	1,4112	1,9644e-003
9,7231	-1,9202		2,2646e-003
9,7334	-1,9022	1,409	3,009e-003
9,7438	-1,8983	1,4082	2,8989e-003
9,7541	-1,918	1,4108	2,4737e-003
9,7645	-1,9355	1,4113	1,6289e-003
9,7748	-1,9349	1,4117	1,6236e-003
9,7851	-1,9232	1,4103	2,7121e-003
9,7955	-1,9083	1,409	3,1868e-003
9,8058	-1,9249	1,4103	2,4468e-003
9,8162	-1,9317	1,4116	1,5006e-003
9,8265	-1,9388	1,4119	1,3258e-003
9,8369	-1,9301	1,4107	2,3556e-003
9,8472	-1,9266	1,4103	3,3128e-003
9,8576	-1,9324	1,4109	2,6078e-003
9,8679	-1,9437	1,4118	1,598e-003
9,8783	-1,9466	1,4124	1,3189e-003
9,8886	-1,9398	1,4115	2,275e-003
9,899	-1,9384	1,4112	2,8869e-003
9,9093	-1,9418	1,4115	2,8528e-003
9,9197	-1,9482	1,4122	2,0932e-003
9,93	-1,9561	1,4131	1,4692e-003
9,9404	-1,9406	1,4106	6,7098e-003
9,9507	-1,937	1,4165	8,4825e-003
9,9611	-1,9332	1,4112	3,873e-003
9,9714	-1,9466	1,4156	8,7061e-004
9,9817	-1,9661	1,4155	4,8014e-003
9,9921	-1,9451	1,4135	6,9945e-003
10,	-1,9912	1,4157	5,3926e-003
10,01	-1,9266	1,4376	3,2072e-003
10,021	-1,9461	1,43	3,3239e-003
10,031	-1,9582	1,4188	6,0468e-003
10,041	-1,9624	1,4271	5,4262e-003
10,052	-1,9616	1,429	1,9174e-003
10,062	-1,9605	1,4449	2,6306e-003
10,072	-1,9688	1,4393	6,7512e-003
10,083	-1,9789	1,4449	5,8035e-003
10,093	-1,9471	1,4348	1,9101e-003
10,103	-1,9197	1,4844	2,1419e-003
10,114	-1,8427	1,4615	5,3964e-003
10,124	-1,8042	1,4623	8,5731e-003
10,134	-1,8536	1,48	1,1548e-003
10,145	-1,855	1,4826	2,2455e-003
10,155	-1,8674	1,4725	7,6547e-003
10,165	-1,8503	1,4791	6,5174e-003
10,176	-1,8149	1,4936	2,2973e-003
10,186	-1,8359	1,4885	5,3688e-003
10,196	-1,8754	1,4576	8,3469e-003
10,207	-1,8383	1,4883	3,6563e-003
10,217	-1,8237	1,4959	1,733e-003
10,227	-1,8579	1,4842	6,1995e-003
10,238	-1,835	1,4873	8,0577e-003
10,248	-1,8545	1,4857	4,3422e-003
10,258	-1,8405	1,4886	1,8156e-003
10,269	-1,8277	1,4868	4,9307e-003
10,279	-1,8416	1,4922	7,6856e-003
10,289	-1,8282	1,4954	4,7846e-003
10,3	-1,8437	1,4902	2,5934e-003
10,31	-1,8456	1,4848	4,5324e-003
10,32	-1,8391	1,496	5,8859e-003
10,331	-1,8206	1,4962	4,7573e-003
10,341	-1,821	1,4978	3,8114e-003
10,351	-1,8299	1,4923	4,2083e-003
10,362	-1,8336	1,4947	4,8711e-003
10,372	-1,8257	1,4934	4,0064e-003
10,382	-1,8156	1,5047	3,5393e-003
10,393	-1,8188	1,5014	5,0207e-003
10,403	-1,8281	1,4975	5,2985e-003
10,413	-1,8204	1,4985	3,5988e-003
10,424	-1,8177	1,5029	3,1205e-003
10,434	-1,813	1,5021	4,6565e-003
10,444	-1,8124	1,499	5,5626e-003

10,455	-1,8099	1,5037	4,3297e-003
10,465	-1,8104	1,5048	3,3176e-003
10,475	-1,8113	1,4999	4,3248e-003
10,486	-1,8078	1,5012	5,2765e-003
10,496	-1,792	1,498	4,1131e-003
10,506	-1,8028	1,529	3,9788e-003
10,517	-1,8047	1,4757	5,9723e-003
10,527	-1,7984	1,4945	5,4809e-003
10,537	-1,7695	1,5189	2,625e-003
10,548	-1,8	1,5012	4,211e-003
10,558	-1,783	1,5118	6,3213e-003
10,568	-1,7816	1,5281	3,8721e-003
10,579	-1,7882	1,5028	3,4272e-003
10,589	-1,7874	1,5073	5,9076e-003
10,599	-1,7682	1,5044	5,3289e-003
10,61	-1,7752	1,5058	4,0671e-003
10,62	-1,7606	1,5062	4,6914e-003
10,63	-1,6812	1,1837	-2,6391e-002
10,641	-1,2448	1,0681	-1,2243e-002
10,651	-1,4985	1,0384	2,4381e-003
10,661	-1,5107	1,2161	-1,4227e-002
10,671	-1,5532	1,2032	-1,869e-002
10,682	-1,5623	1,1147	-1,0529e-003
10,692	-1,573	1,1606	-7,0848e-003
10,702	-1,5597	1,1893	-2,0961e-002
10,712	-1,5348	1,1384	-1,8369e-002
10,722	-1,5168	1,1381	-6,7899e-003
10,733	-1,5255	1,1276	-7,0457e-003
10,743	-1,5265	1,1963	-1,5368e-002
10,753	-1,5515	1,1799	-1,9143e-002
10,763	-1,5646	1,109	-1,2206e-002
10,773	-1,5626	1,1302	-9,4864e-003
10,784	-1,5412	1,1784	-1,612e-002
10,794	-1,5289	1,1703	-1,7809e-002
10,804	-1,5435	1,1431	-1,0479e-002
10,814	-1,5605	1,1407	-9,7464e-003
10,825	-1,5545	1,1853	-1,8032e-002
10,835	-1,5447	1,1824	-1,8315e-002
10,845	-1,5543	1,1501	-1,104e-002
10,855	-1,5394	1,164	-1,1171e-002
10,866	-1,5299	1,1867	-1,6809e-002
10,876	-1,5509	1,1594	-1,6377e-002
10,886	-1,5646	1,1399	-1,3269e-002
10,896	-1,5504	1,1527	-1,4995e-002
10,906	-1,5425	1,1791	-1,6522e-002
10,917	-1,539	1,1736	-1,4539e-002
10,927	-1,5448	1,1532	-1,3862e-002
10,937	-1,5479	1,1616	-1,6098e-002
10,947	-1,547	1,1666	-1,6619e-002
10,958	-1,545	1,1686	-1,4108e-002
10,968	-1,5451	1,1581	-1,3995e-002
10,978	-1,5433	1,1801	-1,5737e-002
10,988	-1,5385	1,1748	-1,4943e-002
10,999	-1,5573	1,1478	-1,4474e-002
11,	-1,5555	1,1501	-1,548e-002
11,01	-1,5446	1,1709	-8,6155e-003
11,02	-2,2134	1,3148	-1,2634e-002
11,03	-2,0639	1,089	-1,6652e-002
11,04	-1,8786	1,1754	-1,4822e-002
11,05	-1,8293	1,1855	-5,5955e-003
11,06	-1,9408	1,1242	1,2088e-002
11,07	-1,8666	1,252	1,4407e-002
11,08	-1,9789	1,0809	-2,4452e-003
11,091	-2,0406	1,2134	-2,0682e-002
11,101	-2,0461	1,1472	-1,7771e-002
11,111	-2,0227	1,0607	-1,812e-003
11,121	-1,9273	1,2514	7,2679e-003
11,131	-1,9918	1,1203	9,3748e-003
11,141	-2,1012	1,2187	-4,2211e-003
11,151	-2,08	1,1896	-1,6277e-002
11,161	-2,0757	1,0929	-1,3256e-002
11,171	-2,0817	1,1352	-2,4988e-003
11,181	-2,0584	1,1359	5,1767e-003
11,192	-2,1325	1,2273	3,3724e-003
11,202	-2,1474	1,1924	-6,8476e-003
11,212	-2,2341	1,1865	-1,5137e-002
11,222	-2,2386	1,139	-1,2443e-002
11,232	-2,1495	1,1016	-2,9594e-003
11,242	-2,178	1,1392	2,7446e-003
11,252	-1,9014	1,1963	2,0422e-003
11,262	-1,8678	1,2322	-6,0351e-003
11,272	-1,9141	1,1682	-9,0087e-003
11,282	-1,8713	1,1363	-9,3588e-003
11,293	-1,8408	1,1082	-4,5618e-003
11,303	-1,7869	1,1457	1,8072e-003
11,313	-1,763	1,1682	3,2828e-003
11,323	-1,8131	1,2228	-2,9433e-004

	-1,8768	1,1961	-3,9999e-003
11,343	-1,8501	1,1415	-5,8779e-003
11,353	-1,8309	1,1226	-6,8271e-003
11,363	-1,9254	1,1182	-5,5696e-003
11,373	-1,7863	1,1751	-3,4494e-003
11,383	-1,766	1,2282	-1,9404e-004
11,393	-1,7466	1,1713	2,7467e-003
11,403	-1,7686	1,1658	-2,9075e-004
11,414	-1,8102	1,1638	-6,1566e-003
11,424	-1,7881	1,1163	-8,2214e-003
11,434	-1,7876	1,1365	-6,0874e-003
11,444	-1,7845	1,1803	-2,774e-003
11,454	-1,7931	1,2007	-1,4892e-004
11,464	-1,7867	1,1816	1,3784e-004
11,474	-1,7922	1,1519	-3,4905e-003
11,484	-1,8262	1,137	-7,8227e-003
11,494	-1,8387	1,1348	-7,7878e-003
11,504	-1,8154	1,1468	-4,4548e-003
11,514	-1,8281	1,1764	-2,3508e-003
11,524	-1,8448	1,1839	-2,0341e-003
11,535	-1,8434	1,1687	-2,7074e-003
11,545	-1,8464	1,1448	-4,9473e-003
11,555	-1,8628	1,1367	-6,8281e-003
11,565	-1,8923	1,1448	-6,2594e-003
11,575	-1,891	1,1611	-4,0232e-003
11,585	-1,8842	1,1782	-2,1439e-003
11,595	-1,8935	1,1742	-2,2658e-003
11,605	-1,9141	1,1539	-4,3712e-003
11,615	-1,9142	1,1464	-6,371e-003
11,625	-1,9188	1,1371	-5,8753e-003
11,636	-1,9403	1,1498	-4,3968e-003
11,646	-1,9645	1,17	-3,5594e-003
11,656	-1,9736	1,173	-3,8593e-003
11,666	-1,9792	1,1607	-5,2807e-003
11,676	-1,9963	1,1457	-6,74e-003
11,686	-2,009	1,1432	-6,9848e-003
11,696	-2,0054	1,1472	-5,5567e-003
11,706	-2,0101	1,1596	-3,8596e-003
11,716	-2,0328	1,1739	-3,3942e-003
11,726	-2,0519	1,1711	-4,4649e-003
11,736	-2,0609	1,1544	-6,4766e-003
11,746	-2,0618	1,1414	-8,3742e-003
11,757	-1,8152	1,1364	-7,4816e-003
11,767	-1,8037	1,1444	-5,196e-003
11,777	-1,8056	1,1577	-1,8357e-003
11,787	-1,7946	1,1814	-1,3623e-003
11,797	-1,8032	1,1718	-2,2518e-003
11,807	-1,7852	1,1527	-3,9211e-003
11,817	-1,7768	1,141	-4,9865e-003
11,827	-1,7732	1,1451	-4,9612e-003
11,837	-1,7876	1,1538	-3,522e-003
11,847	-1,7733	1,1691	-2,2543e-003
11,857	-1,7593	1,1743	-1,9818e-003
11,868	-1,7548	1,162	-2,5683e-003
11,878	-1,7519	1,1498	-3,5961e-003
11,888	-1,7456	1,1463	-4,1202e-003
11,898	-1,7389	1,1508	-3,7784e-003
11,908	-1,7467	1,1618	-3,0287e-003
11,918	-1,7372	1,1708	-2,3312e-003
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11,938	-1,7111	1,1556	-2,2503e-003
11,948	-1,7135	1,1487	-3,3264e-003
11,958	-1,7136	1,1518	-4,0268e-003
11,968	-1,709	1,1564	-3,5484e-003
11,978	-1,6995	1,1626	-2,5023e-003
11,989	-1,6932	1,1655	-1,7376e-003
11,999	-1,6819	1,161	-1,6183e-003
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12,01	-1,6846	1,1511	-3,3307e-003
12,02	-1,6942	1,1543	-3,8883e-003
12,03	-1,6971	1,1605	-3,3131e-003
12,04	-1,6858	1,162	-2,1338e-003
12,05	-1,6783	1,1611	-1,5243e-003
12,061	-1,6792	1,1586	-1,8891e-003
12,071	-1,6829	1,1547	-2,748e-003
12,081	-1,6855	1,1549	-3,4054e-003
12,091	-1,6894	1,1566	-3,4217e-003
12,101	-1,6921	1,1599	-2,8459e-003
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12,121		1,1596	-1,928e-003
12,131	-1,6781	1,1573	-2,3257e-003
12,141	-1,6841	1,1563	-2,9234e-003
12,151	-1,6852	1,1566	-3,1399e-003
12,161	-1,6843	1,1573	-2,8529e-003
12,171	-1,6847	1,1587	-2,4701e-003
12,182	-1,6857	1,1599	-2,3358e-003
12,192	-1,6822	1,1593	-2,4327e-003

12,202	-1,68	1,157	-2,6522e-003
12,212	-1,6827	1,1564	-2,8689e-003
12,222	-1,6847	1,1572	-2,8627e-003
12,232	-1,682	1,158	-2,5775e-003
12,242	-1,6802	1,1586	-2,3462e-003
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12,262	-1,6843	1,1588	-2,6381e-003
12,272	-1,6825	1,1573	-2,8015e-003
12,282	-1,6813	1,1564	-2,8397e-003
12,293	-1,6832	1,1574	-2,7396e-003
12,303	-1,6831	1,1585	-2,5224e-003
12,313		1,159	-2,3591e-003
12,323	-1,6805	1,1587	-2,4236e-003
12,333	-1,6836	1,1581	-2,6638e-003
12,343	-1,6844	1,1574	-2,8475e-003
12,353	-1,6822	1,1568	-2,8255e-003
12,363	-1,6815	1,1574	-2,6644e-003
12,373	-1,6829	1,1586	-2,5003e-003
12,383	-1,6824	1,1592	-2,4219e-003
12,393	-1,6808	1,1585	-2,4805e-003
12,404	-1,6819	1,1575	-2,6611e-003
12,414	-1,6841	1,1571	-2,819e-003
12,424	-1,6834	1,1573	-2,7947e-003
12,434	-1,6814	1,1577	-2,6233e-003
12,444	-1,6818	1,1585	-2,4861e-003
12,454	-1,6832	1,159	-2,4795e-003
12,464	-1,6825	1,1584	-2,5617e-003
12,474	-1,6816	1,1573	-2,6747e-003
12,484	-1,6827	1,157	-2,7627e-003
12,494	-1,6837	1,1575	-2,7401e-003
12,504	-1,6824	1,1582	-2,6041e-003
12,514	-1,6813	1,1585	-2,491e-003
12,525	-1,6825	1,1586	-2,513e-003
12,535	-1,6835	1,1582	-2,6209e-003
12,545	-1,6826	1,1573	-2,7049e-003
12,555	-1,682	1,157	-2,7229e-003
12,565	-1,6829	1,1576	-2,6784e-003
12,575	-1,683	1,1584	-2,5882e-003
12,585	-1,6818	1,1586	-2,5153e-003
12,595	-1,6817	1,1582	-2,5388e-003
12,605	-1,6831	1,1578	-2,6439e-003
12,615	-1,6835	1,1574	-2,7223e-003
12,625	-1,6824	1,1573	-2,7059e-003
12,636	-1,6821	1,1577	-2,6335e-003
12,646	-1,6828	1,1584	-2,571e-003
12,656	-1,6826	1,1586	-2,5463e-003
12,666	-1,6818	1,1581	-2,5742e-003
12,676	-1,6823	1,1575	-2,65e-003
12,686	-1,6834	1,1574	-2,7112e-003
12,696	-1,6832	1,1576	-2,6905e-003
12,706	-1,6821	1,1579	-2,6116e-003
12,716	-1,6822	1,1582	-2,5598e-003
12,726	-1,6829	1,1584	-2,5712e-003
12,736	-1,6826	1,158	-2,6152e-003
12,747	-1,6821	1,1575	-2,6601e-003
12,757	-1,6827	1,1574	-2,6849e-003
12,767	-1,6832	1,1578	-2,6628e-003
12,777	-1,6826	1,1581	-2,6015e-003
12,787	-1,682	1,1582	-2,5626e-003
12,797	-1,6825	1,1581	-2,5885e-003
12,807	-1,6831	1,1579	-2,6456e-003
12,817	-1,6826	1,1576	-2,6758e-003
12,827	-1,6823	1,1575	-2,6643e-003
12,837	-1,6827	1,1578	-2,63e-003
12,847	-1,6828	1,1581	-2,5921e-003
12,857	-1,6823	1,1582	-2,5758e-003
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12,878	-1,6829	1,1577	-2,6586e-003
12,888	-1,6831		-2,6836e-003
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12,908	-1,6822	1,1578	-2,608e-003
12,918	-1,6826		-2,5834e-003
12,928	-1,6827	1,1581	-2,591e-003
12,938	-1,6824	1,1579	-2,622e-003
12,948	-1,6826		-2,6604e-003
12,958	-1,683	1,1576	-2,6761e-003
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13,	-1,6828	1,1578	-2,6392e-003
13,01	-1,6826		-2,662e-003
13,02	-1,6825	1,1576	-2,6594e-003
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13,05	-1,6823	1,158	-2,5902e-003
13,061	-1,6824	1,1579	-2,6093e-003

13,071		1,1578	-2,6454e-003
13,081	-1,6828		-2,6624e-003
13,091	-1,6824	1,1576	-2,6484e-003
13,101	-1,6825	1,1578	-2,6228e-003
13,111	-1,6827		-2,6051e-003
13,121	-1,6826	1,158	-2,6037e-003
13,131	-1,6824	1,1578	-2,6205e-003
13,141	-1,6826		-2,6464e-003
13,151	-1,6828	1,1577	-2,6583e-003
13,161	-1,6826		-2,6424e-003
13,171	-1,6823	1,1578	-2,6156e-003
13,182	-1,6825		-2,6038e-003
13,192	-1,6827	1,1579	-2,6129e-003
13,202	-1,6826	1,1578	-2,6309e-003
13,212	-1,6825		-2,6464e-003
13,222	-1,6826	1,1576	-2,6506e-003
13,232	-1,6827	1,1578	-2,6374e-003
13,242	-1,6825		-2,6153e-003
13,252	-1,6823	1,1579	-2,6058e-003
13,262	-1,6825	1,1578	-2,6178e-003
13,272	-1,6827	1,1577	-2,6371e-003
13,282		1,1576	-2,6467e-003
13,293	-1,6825	1,1577	-2,643e-003
13,303		1,1578	-2,6311e-003
13,313	-1,6826		-2,6176e-003
13,323		1,1579	-2,6122e-003
13,333	-1,6824	1,1578	-2,622e-003
13,343			-2,639e-003
13,353	-1,6826	1,1577	-2,6458e-003
13,363			-2,6376e-003
13,373			-2,625e-003
13,383	-1,6825	1,1578	-2,6183e-003
13,393			-2,62e-003
13,404	-1,6824		-2,6283e-003
13,414	-1,6825	1,1577	-2,6389e-003
13,424	-1,6826		-2,6425e-003
13,434	-1,6825		-2,6343e-003
13,444			-2,6221e-003
13,454	-1,6824	1,1578	-2,6184e-003
13,464			-2,6246e-003
13,474	-1,6825		-2,6335e-003
13,484	-1,6824	1,1577	-2,639e-003
13,494			-2,638e-003
13,504	-1,6825		-2,631e-003
13,515			-2,6224e-003
13,525	-1,6824	1,1578	-2,6203e-003
13,535			-2,627e-003
13,545			-2,6362e-003
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13,565			-2,6346e-003
13,575			-2,6287e-003
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13,595			-2,6236e-003
13,605			-2,6285e-003
13,615			-2,6345e-003
13,625	-1,6825		-2,6367e-003
13,636			-2,6329e-003
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13,666			-2,6288e-003
13,676			-2,6303e-003
13,686			-2,6305e-003
13,696			-2,6309e-003
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13,726			
13,736			
13,747			-2,6308e-003
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13,767			
13,777			-2,6309e-003
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13,797			
13,807	-1,6823		-2,631e-003
13,817	-1,682	1,1576	-2,6356e-003
13,827	-1,6822	1,1578	-2,6342e-003
13,837	-1,6821		-2,6271e-003
13,847	-1,682		-2,6282e-003
13,858			-2,6304e-003
13,868	-1,6821		-2,6348e-003
13,878	-1,6823	1,1577	-2,6353e-003
13,888			-2,6366e-003
13,898	-1,6822		-2,6325e-003
13,908	-1,6821		-2,6271e-003
13,918		1,1576	-2,6278e-003
13,928	-1,6822		-2,6343e-003
13,938		1,1577	-2,6363e-003



13,948			-2,634e-003
13,958		1,1576	-2,6327e-003
13,968	-1,6821	1,1577	-2,6302e-003
13,979		1,1576	-2,6292e-003
13,989			-2,6323e-003
13,999	-1,6822		-2,6343e-003
14,			-2,6338e-003
14,01			-2,6323e-003
14,02			
14,03			-2,6325e-003
14,04		1,1577	
14,05			
14,061			-2,6326e-003
14,071			
14,081			
14,091			
14,101			
14,111	-1,6821		-2,6327e-003
14,121			
14,131			
14,141			-2,6328e-003
14,151			
14,161			
14,172			-2,6329e-003
14,182			
14,192			
14,202			-2,633e-003
14,212			
14,222			
14,232			-2,6331e-003
14,242			
14,252			
14,262			
14,272			-2,6332e-003
14,282	-1,682		
14,293			
14,303			-2,6333e-003
14,313			
14,323			-2,6334e-003
14,333			
14,343			-2,6335e-003
14,353			
14,363			-2,6336e-003
14,373			
14,383			-2,6337e-003
14,393			
14,404			-2,6338e-003
14,414			
14,424	-1,6819		-2,6339e-003
14,434			
14,444			-2,634e-003
14,454		1,1576	-2,6341e-003
14,464			
14,474			-2,6342e-003
14,484			
14,494			-2,6343e-003
14,504			
14,514			-2,6344e-003
14,525			
14,535			-2,6345e-003
14,545			
14,555			-2,6346e-003
14,565			
14,575	-1,6818		-2,6347e-003
14,585			
14,595			-2,6348e-003
14,605			
14,615			-2,6349e-003
14,625			
14,635			
14,646			-2,635e-003
14,656			
14,666			-2,6351e-003
14,676			
14,686			-2,6352e-003
14,696			
14,706			-2,6353e-003
14,716			
14,726			-2,6354e-003
14,736	-1,6817		
14,746			-2,6355e-003
14,756			
14,767			-2,6356e-003
14,777			
14,787			
14,797			
14,807			

14,817			-2,6357e-003
14,827			
14,837			-2,6358e-003
14,847		1,1575	
14,857			
14,867		1,1576	-2,6359e-003
14,877			
14,887			
14,898			-2,636e-003
14,908			
14,918	-1,6816		-2,6361e-003
14,928			
14,938		1,1575	-2,6362e-003
14,948			
14,958			-2,6363e-003
14,968			
14,978			
14,988			-2,6364e-003
14,998			
15,	-1,6815		

FIGURE 43

Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Directional Deformation M Y

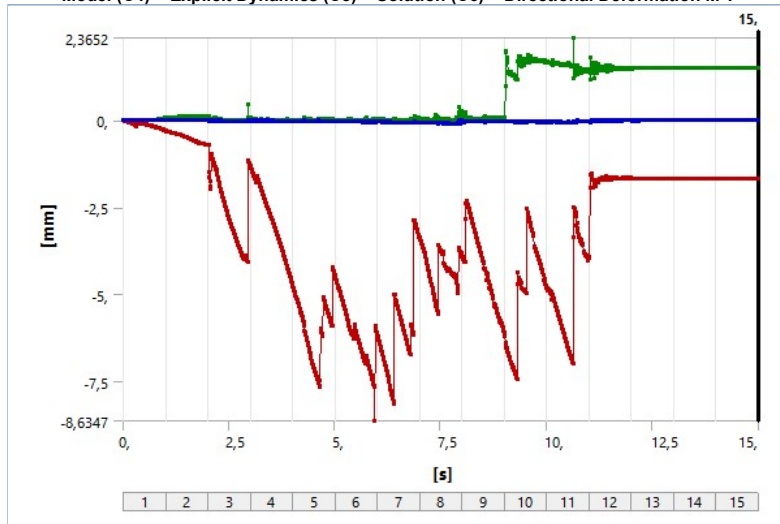


TABLE 36

Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Directional Deformation M Y

Time [s]	Minimum [mm]	Maximum [mm]	Average [mm]
1,1755e-038	0,	0,	0,
1,0443e-002	-2,5165e-003	1,4856e-003	-1,1135e-005
2,0904e-002	-5,9139e-003	3,2606e-003	-2,833e-005
3,1366e-002	-9,3616e-003	4,9306e-003	-5,1139e-005
4,1827e-002	-1,2916e-002	6,4921e-003	-8,1579e-005
5,2289e-002	-1,6528e-002	7,931e-003	-1,1823e-004
6,275e-002	-2,0267e-002	9,2745e-003	-1,6172e-004
7,3211e-002	-2,4114e-002	1,0512e-002	-2,1067e-004
8,3672e-002	-2,8075e-002	1,1665e-002	-2,6508e-004
9,4132e-002	-3,2165e-002	1,2728e-002	-3,2516e-004
0,10459	-3,6386e-002	1,3694e-002	-3,9177e-004
0,11505	-4,0769e-002	1,4573e-002	-4,6523e-004
0,12551	-4,5418e-002	1,5359e-002	-5,4595e-004
0,13597	-5,0374e-002	1,6054e-002	-6,3371e-004
0,14643	-5,5532e-002	1,6661e-002	-7,284e-004
0,15689	-6,0914e-002	1,7165e-002	-8,3051e-004
0,16735	-6,6522e-002	1,7568e-002	-9,4071e-004
0,17781	-7,2352e-002	1,7861e-002	-1,0595e-003
0,18826	-7,8422e-002	1,8251e-002	-1,187e-003
0,19872	-8,4725e-002	1,869e-002	-1,3231e-003
0,20918	-9,1268e-002	1,9049e-002	-1,4681e-003
0,21963	-9,8059e-002	1,932e-002	-1,622e-003
0,23009	-0,10532	1,9497e-002	-1,7864e-003
0,24054	-0,11291	1,9572e-002	-1,961e-003
0,25099	-0,1208	1,9528e-002	-2,1467e-003
0,26145	-0,13032	1,9345e-002	-2,3435e-003
0,2719	-0,14056	1,8997e-002	-2,5521e-003
0,28235	-0,15138	1,8675e-002	-2,7709e-003
0,2928	-0,16218	1,8481e-002	-2,9869e-003
0,30326	-0,16785	1,7199e-002	-3,1089e-003
0,31371	-0,10654	9,3612e-003	-2,0957e-003
0,32417	-8,3375e-002	7,819e-003	-1,7627e-003
0,33464	-7,785e-002	7,2676e-003	-9,0573e-004
0,3451	-7,7191e-002	6,0035e-003	-9,7262e-004
0,35556	-7,5004e-002	5,9062e-003	-1,0492e-003
0,36602	-8,0985e-002	8,9837e-003	-1,3674e-003
0,37648	-7,8881e-002	5,4443e-003	-1,6106e-003

0,38694	-7,9897e-002	5,9908e-003	-1,2893e-003
0,3974	-8,1981e-002	9,7033e-003	-1,2394e-003
0,40786	-8,6927e-002	1,1606e-002	-1,1192e-003
0,41832	-8,736e-002	6,5925e-003	-1,3446e-003
0,42878	-9,126e-002	8,9728e-003	-1,3197e-003
0,43924	-9,1166e-002	8,8141e-003	-1,5231e-003
0,4497	-9,6223e-002	1,1322e-002	-1,4548e-003
0,46016	-9,8362e-002	1,0224e-002	-1,4149e-003
0,47062	-0,10052	9,1688e-003	-1,2421e-003
0,48108	-0,10257	9,025e-003	-1,2875e-003
0,49154	-0,10502	1,0796e-002	-1,4647e-003
0,502	-0,10901	1,2181e-002	-1,6416e-003
0,51246	-0,11169	9,6592e-003	-1,6271e-003
0,52292	-0,11374	8,5574e-003	-1,426e-003
0,53337	-0,11604	1,1146e-002	-1,3595e-003
0,54383	-0,11952	1,2067e-002	-1,4327e-003
0,55429	-0,12215	9,3086e-003	-1,6747e-003
0,56475	-0,12625	9,7675e-003	-1,7174e-003
0,57521	-0,1282	9,7167e-003	-1,6788e-003
0,58567	-0,13135	1,0431e-002	-1,5089e-003
0,59613	-0,13443	1,0798e-002	-1,5232e-003
0,60658	-0,13811	1,0304e-002	-1,6215e-003
0,61704	-0,14131	9,1341e-003	-1,7839e-003
0,6275	-0,14484	9,8551e-003	-1,817e-003
0,63796	-0,14808	1,0567e-002	-1,7608e-003
0,64842	-0,15132	9,9541e-003	-1,6816e-003
0,65887	-0,15471	9,7491e-003	-1,6826e-003
0,66933	-0,15828	1,0716e-002	-1,787e-003
0,67979	-0,16186	1,0236e-002	-1,8851e-003
0,69025	-0,16515	9,9848e-003	-1,9376e-003
0,70071	-0,16917	1,0388e-002	-1,8808e-003
0,71117	-0,17263	1,0791e-002	-1,831e-003
0,72162	-0,17588	1,0912e-002	-1,8182e-003
0,73208	-0,17956	1,1314e-002	-1,9283e-003
0,74254	-0,18376	1,1555e-002	-2,0402e-003
0,753	-0,18789	1,2269e-002	-2,0708e-003
0,76346	-0,19312	1,4843e-002	-2,0221e-003
0,77392	-0,19782	1,7358e-002	-2,0056e-003
0,78438	-0,20283	1,9688e-002	-2,0749e-003
0,79484	-0,20813	2,2074e-002	-2,2011e-003
0,80529	-0,20088	2,6426e-002	-1,8077e-003
0,81575	-0,20546	2,7533e-002	-2,1197e-003
0,82621	-0,21268	2,9363e-002	-2,5865e-003
0,83667	-0,21661	3,2522e-002	-2,3322e-003
0,84713	-0,21779	3,6242e-002	-2,2424e-003
0,85759	-0,22561	3,7861e-002	-2,2577e-003
0,86805	-0,23086	4,0396e-002	-2,614e-003
0,8785	-0,23794	4,1851e-002	-2,6231e-003
0,88896	-0,24053	4,5625e-002	-2,621e-003
0,89942	-0,24621	4,829e-002	-2,6196e-003
0,90988	-0,25299	5,016e-002	-2,8179e-003
0,92033	-0,25918	5,2316e-002	-2,883e-003
0,93079	-0,26432	5,5293e-002	-2,8907e-003
0,94124	-0,26972	5,7939e-002	-2,9433e-003
0,9517	-0,27577	6,0406e-002	-3,0979e-003
0,96216	-0,28244	6,2492e-002	-3,2418e-003
0,97261	-0,28844	6,5094e-002	-3,2456e-003
0,98307	-0,29323	6,8364e-002	-3,262e-003
0,99352	-0,29988	7,0539e-002	-3,3371e-003
1,	-0,3036	7,2135e-002	-3,3867e-003
1,0105	-0,30731	7,3043e-002	-3,4625e-003
1,0209	-0,31169	7,3342e-002	-3,562e-003
1,0314	-0,31531	7,4139e-002	-3,6708e-003
1,0418	-0,31877	7,5168e-002	-3,6805e-003
1,0523	-0,32203	7,6199e-002	-3,7089e-003
1,0627	-0,32599	7,6891e-002	-3,7471e-003
1,0732	-0,32973	7,7886e-002	-3,8228e-003
1,0836	-0,33349	7,8903e-002	-3,8897e-003
1,0941	-0,33693	8,0004e-002	-3,9488e-003
1,1045	-0,3407	8,1002e-002	-3,9861e-003
1,115	-0,34471	8,2087e-002	-4,0526e-003
1,1255	-0,34807	8,2941e-002	-4,0864e-003
1,1359	-0,35158	8,4154e-002	-4,1214e-003
1,1464	-0,3551	8,5337e-002	-4,1916e-003
1,1568	-0,35883	8,6251e-002	-4,268e-003
1,1673	-0,36239	8,7231e-002	-4,3293e-003
1,1777	-0,36593	8,8319e-002	-4,3451e-003
1,1882	-0,36919	8,9563e-002	-4,3856e-003
1,1986	-0,3727	9,0531e-002	-4,4321e-003
1,2091	-0,37626	9,1575e-002	-4,5153e-003
1,2195	-0,37983	9,2558e-002	-4,5673e-003
1,23	-0,38172	9,3917e-002	-4,5885e-003
1,2404	-0,38447	9,4975e-002	-4,5975e-003
1,2509	-0,38768	9,6098e-002	-4,6552e-003
1,2613	-0,39104	9,7086e-002	-4,7066e-003
1,2718	-0,39411	9,8165e-002	-4,7599e-003
1,2823	-0,39716	9,9331e-002	-4,7986e-003

	-0,40031	0,10037	-4,8332e-003
1,3032	-0,40347	0,10133	-4,8689e-003
1,3136	-0,40644	0,10243	-4,899e-003
1,3241	-0,40929	0,10353	-4,9402e-003
1,3345	-0,41228	0,10455	-4,9857e-003
1,345	-0,41511	0,10563	-5,0298e-003
1,3554	-0,41813	0,10659	-5,0626e-003
1,3659	-0,41723	0,10809	-5,004e-003
1,3763	-0,42294	0,10876	-5,1905e-003
1,3868	-0,43036	0,10851	-5,2352e-003
1,3972	-0,43648	0,1088	-5,4514e-003
1,4077	-0,44388	0,10863	-5,5523e-003
1,4181	-0,45064	0,10885	-5,6921e-003
1,4286	-0,45803	0,10856	-5,8474e-003
1,439	-0,46347	0,10878	-5,7937e-003
1,4495	-0,46844	0,10866	-6,32e-003
1,4599	-0,4717	0,10972	-6,228e-003
1,4704	-0,47298	0,11259	-6,0153e-003
1,4808	-0,47664	0,11408	-5,9352e-003
1,4913	-0,48269	0,11315	-6,1112e-003
1,5017	-0,49013	0,11309	-6,4394e-003
1,5122	-0,49502	0,11428	-6,551e-003
1,5226	-0,50108	0,11438	-6,5622e-003
1,5331	-0,50798	0,11429	-6,6779e-003
1,5435	-0,51595	0,11388	-6,8349e-003
1,554	-0,52225	0,11394	-6,9257e-003
1,5644	-0,52647	0,11506	-6,9871e-003
1,5749	-0,53302	0,1149	-7,182e-003
1,5853	-0,54061	0,11449	-7,4243e-003
1,5958	-0,54628	0,11488	-7,4322e-003
1,6062	-0,55224	0,11531	-7,3294e-003
1,6167	-0,55833	0,11473	-7,5366e-003
1,6271	-0,5645	0,11486	-7,8061e-003
1,6376	-0,5706	0,11546	-7,9132e-003
1,648	-0,57545	0,11565	-7,9711e-003
1,6585	-0,58068	0,11613	-7,9997e-003
1,669	-0,58682	0,11593	-8,0285e-003
1,6794	-0,59274	0,11597	-8,2098e-003
1,6899	-0,59875	0,1158	-8,4216e-003
1,7003	-0,6044	0,11589	-8,504e-003
1,7108	-0,60587	0,11722	-8,8559e-003
1,7212	-0,61176	0,11932	-7,6547e-003
1,7317	-0,61346	0,1213	-7,8126e-003
1,7421	-0,62765	0,1164	-8,231e-003
1,7526	-0,63487	0,11517	-9,3327e-003
1,763	-0,63673	0,11722	-9,1841e-003
1,7735	-0,63615	0,12079	-8,8792e-003
1,7839	-0,64788	0,11594	-8,5729e-003
1,7944	-0,65167	0,11688	-8,7202e-003
1,8048	-0,65406	0,11796	-8,8494e-003
1,8153	-0,65729	0,11861	-9,412e-003
1,8257	-0,66403	0,11717	-9,6259e-003
1,8362	-0,67065	0,11629	-9,5324e-003
1,8466	-0,67474	0,1156	-9,1152e-003
1,8571	-0,67453	0,11842	-8,9862e-003
1,8675	-0,6771	0,11908	-9,372e-003
1,878	-0,68097	0,11892	-9,8353e-003
1,8885	-0,68295	0,11973	-9,8302e-003
1,8989	-0,68324	0,1218	-9,4011e-003
1,9094	-0,68251	0,12385	-9,0426e-003
1,9198	-0,68339	0,12494	-9,0954e-003
1,9303	-0,68535	0,12574	-9,4406e-003
1,9407	-0,68878	0,12552	-9,7124e-003
1,9512	-0,68921	0,12621	-9,6791e-003
1,9616	-0,69015	0,12747	-9,3133e-003
1,9721	-0,69068	0,12847	-9,1701e-003
1,9825	-0,69161	0,12878	-9,2068e-003
1,993	-0,69283	0,12915	-9,4907e-003
2,	-0,69228	0,12992	-9,1796e-003
2,0105	-0,693	0,13267	-9,2627e-003
2,0209	-0,69533	0,13458	-9,4644e-003
2,0313	-1,5014	5,391e-002	-1,0496e-002
2,0417	-1,6426	4,1784e-002	-1,1209e-002
2,0521	-1,7622	2,5769e-002	-1,6773e-002
2,0625	-1,9093	1,2237e-002	-1,9296e-002
2,0729	-1,9846	1,5033e-002	-1,6925e-002
2,0833	-0,97277	2,6856e-002	-1,7559e-002
2,0937	-1,031	3,2298e-002	-9,1312e-003
2,1041	-1,1091	4,9771e-002	-4,1046e-004
2,1145	-1,1128	4,8547e-002	-6,0289e-003
2,1249	-1,1154	3,8514e-002	-1,3171e-002
2,1353	-1,2021	1,3855e-002	-1,3873e-002
2,1457	-1,2318	5,2941e-002	-8,6788e-003
2,1562	-1,2623	1,0752e-002	-9,3518e-003
2,1666	-1,2852	7,0739e-002	-1,0039e-002
2,177	-1,3377	6,8962e-002	-1,0805e-002
2,1874	-1,3951	4,6459e-002	-8,215e-003

	-1,4273	3,5685e-003	-1,2497e-002
2,2082	-1,5028	6,3513e-003	-1,3904e-002
2,2186	-1,5753	2,7521e-002	-1,4625e-002
2,229	-1,6222	3,0342e-002	-8,2773e-003
2,2394	-1,7012	1,9774e-002	-7,2284e-003
2,2499	-1,7289	2,3319e-002	-1,148e-002
2,2603	-1,7796	4,9837e-003	-1,6368e-002
2,2707	-1,8439	1,9366e-002	-1,4809e-002
2,2811	-1,9061	1,0653e-002	-1,1029e-002
2,2915	-1,9609	3,3026e-002	-9,1088e-003
2,3019	-2,0036	2,3248e-002	-1,0991e-002
2,3123	-2,0328	2,2225e-002	-1,3278e-002
2,3227	-2,0868	3,7146e-003	-1,4656e-002
2,3331	-2,138	1,3412e-002	-1,4203e-002
2,3435	-2,1837	1,995e-002	-1,2661e-002
2,3539	-2,2259	1,7907e-002	-1,1631e-002
2,3643	-2,2641	2,6582e-002	-1,1771e-002
2,3747	-2,3178	5,7571e-003	-1,351e-002
2,3851	-2,362	2,1308e-002	-1,473e-002
2,3955	-2,404	6,6993e-003	-1,4856e-002
2,4059	-2,4459	1,4089e-002	-1,384e-002
2,4163	-2,4878	2,2437e-002	-1,3022e-002
2,4267	-2,5331	1,6808e-002	-1,2241e-002
2,4371	-2,5778	9,2662e-003	-1,2932e-002
2,4475	-2,6165	1,2633e-002	-1,4368e-002
2,4579	-2,6726	2,4923e-002	-1,4299e-002
2,4684	-2,7089	7,3675e-003	-1,4885e-002
2,4788	-2,7499	1,4879e-002	-1,3059e-002
2,4892	-2,7947	2,3355e-002	-1,1807e-002
2,4996	-2,8338	2,148e-002	-1,2047e-002
2,51	-2,8679	7,4929e-003	-1,419e-002
2,5204	-2,9043	2,9333e-003	-1,5838e-002
2,5308	-2,942	5,3325e-003	-1,4889e-002
2,5412	-2,9802	1,5093e-002	-1,3172e-002
2,5516	-3,0158	2,2328e-002	-1,254e-002
2,562	-3,0496	7,4498e-003	-1,4033e-002
2,5724	-3,0831	1,0761e-002	-1,5428e-002
2,5828	-3,1182	7,1535e-003	-1,6056e-002
2,5932	-3,153	1,4975e-002	-1,5013e-002
2,6036	-3,1869	7,5257e-003	-1,4245e-002
2,614	-3,2201	9,1883e-003	-1,4251e-002
2,6244	-3,2532	1,2804e-002	-1,5269e-002
2,6348	-3,2861	5,1181e-003	-1,5881e-002
2,6452	-3,319	2,6372e-003	-1,6074e-002
2,6556	-3,3603	9,988e-003	-1,6288e-002
2,666	-3,3947	1,5953e-002	-1,5134e-002
2,6764	-3,4296	1,0599e-002	-1,4644e-002
2,6868	-3,4646	8,9384e-003	-1,5155e-002
2,6972	-3,4989	9,1798e-003	-1,629e-002
2,7076	-3,5339	5,7907e-003	-1,7103e-002
2,718	-3,5686	6,4307e-003	-1,7292e-002
2,7284	-3,6034	6,0735e-003	-1,6805e-002
2,7388	-3,6382	7,5697e-003	-1,6082e-002
2,7492	-3,6731	7,7919e-003	-1,6432e-002
2,7596	-3,7027	5,9999e-003	-1,4048e-002
2,77	-3,734	1,3233e-002	-1,5223e-002
2,7804	-3,7682	5,4596e-003	-1,8228e-002
2,7908	-3,8031	1,4862e-002	-1,7825e-002
2,8012	-3,8369	5,6221e-003	-1,6373e-002
2,8116	-3,872	1,0454e-002	-1,4311e-002
2,822	-3,9071	1,3135e-002	-1,5664e-002
2,8324	-3,9409	6,0098e-003	-1,7679e-002
2,8428	-3,9759	3,3457e-003	-1,8803e-002
2,8532	-4,0103	1,6892e-003	-1,7943e-002
2,8636	-3,8659	1,2311e-002	-1,7066e-002
2,874	-3,8962	8,1694e-003	-1,5185e-002
2,8844	-3,9277	1,9397e-002	-1,4041e-002
2,8948	-3,9568	7,8216e-003	-1,5324e-002
2,9052	-3,9929	1,6894e-002	-1,6296e-002
2,9156	-4,0201	1,5997e-003	-1,8278e-002
2,926	-4,0505	5,542e-003	-1,6962e-002
2,9364	-4,0788	2,1909e-003	-1,641e-002
2,9468	-1,1686	0,45418	-7,0232e-003
2,9572	-1,1744	8,8395e-002	2,9501e-003
2,9676	-1,2125	7,2305e-002	5,6504e-003
2,978	-1,2486	7,7719e-002	-8,3132e-003
2,9884	-1,2856	3,7117e-002	-1,4722e-002
2,9987	-1,3184	1,8518e-002	-1,4277e-002
3,	-1,3178	2,8604e-002	-6,2115e-003
3,0104	-1,3503	7,8988e-002	2,4397e-003
3,0208	-1,388	5,8014e-002	-3,0273e-003
3,0312	-1,4257	5,9335e-002	-8,8377e-003
3,0416	-1,4573	3,3929e-002	-1,301e-002
3,052	-1,4889	2,5915e-002	-7,1262e-003
3,0624	-1,5212	3,0384e-002	-6,1444e-003
3,0728	-1,5589	1,8057e-002	-5,9563e-003
3,0832	-1,595	6,0147e-002	-8,9545e-003

	-1,629	3,0899e-002	-7,1297e-003
3,104	-1,6591	1,2609e-002	-6,768e-003
3,1145	-1,6934	8,8972e-003	-9,0706e-003
3,1249	-1,7306	4,0038e-003	-1,1657e-002
3,1353	-1,7664	3,6986e-002	-1,0989e-002
3,1457	-1,7989	2,9402e-002	-5,3957e-003
3,1561	-1,6123	1,847e-002	-4,4848e-003
3,1665	-1,6496	1,0809e-002	-8,2885e-003
3,1769	-1,6868	4,9937e-003	-1,3685e-002
3,1873	-1,7223	4,699e-003	-1,1081e-002
3,1977	-1,7564	1,8794e-002	-5,2812e-003
3,2081	-1,7937	2,6085e-002	-4,2881e-003
3,2185	-1,8303	1,1951e-002	-1,0301e-002
3,2289	-1,8663	4,9765e-003	-1,3964e-002
3,2393	-1,9017	1,7862e-003	-1,224e-002
3,2497	-1,9374	1,1756e-002	-9,5777e-003
3,2601	-1,9742	1,4899e-002	-9,6484e-003
3,2705	-2,0112	3,0454e-002	-1,115e-002
3,2809	-2,0473	1,3374e-002	-1,0966e-002
3,2913	-2,0822	4,2654e-003	-1,1871e-002
3,3017	-2,1188	4,9752e-003	-1,4274e-002
3,3121	-2,1561	2,0095e-004	-1,5536e-002
3,3225	-2,1929	1,4559e-002	-1,2515e-002
3,3329	-2,228	1,1671e-002	-1,019e-002
3,3433	-2,2646	8,8159e-003	-1,2004e-002
3,3536	-2,3015	1,1375e-003	-1,668e-002
3,364	-2,3384	5,5488e-004	-1,7663e-002
3,3744	-2,3743	1,6626e-003	-1,5054e-002
3,3848	-2,4107	7,9818e-003	-1,3138e-002
3,3952	-2,4484	1,4833e-002	-1,4207e-002
3,4056	-2,485	8,4566e-003	-1,5971e-002
3,4159	-2,5128	3,9e-002	-6,96e-003
3,4263	-2,5533	2,5697e-002	-1,0537e-002
3,4367	-2,5904	1,8019e-002	-1,8469e-002
3,4471	-2,6293	1,8875e-002	-1,5337e-002
3,4575	-2,6625	1,701e-002	-1,1423e-002
3,4679	-2,6987	2,6507e-002	-6,7695e-003
3,4783	-2,7355	2,5152e-002	-1,1564e-002
3,4887	-2,7749	1,0684e-002	-1,5777e-002
3,4991	-2,8117	1,0835e-002	-1,6725e-002
3,5095	-2,8462	2,0796e-003	-1,368e-002
3,5199	-2,882	1,9606e-002	-1,0423e-002
3,5303	-2,9207	1,3092e-002	-1,2523e-002
3,5406	-2,9488	2,0636e-002	-1,2922e-002
3,551	-2,986	1,0055e-002	-1,4341e-002
3,5614	-3,0203	1,5154e-002	-1,3002e-002
3,5718	-3,0574	3,0686e-003	-1,5512e-002
3,5822	-3,0976	1,026e-002	-1,648e-002
3,5926	-3,1333	1,0233e-002	-1,4255e-002
3,603	-3,1692	1,7824e-002	-1,1585e-002
3,6134	-3,2061	6,7088e-003	-1,4283e-002
3,6237	-3,2443	1,0565e-003	-1,812e-002
3,6341	-3,2805	1,3374e-003	-1,7991e-002
3,6445	-3,316	3,8e-003	-1,5625e-002
3,6549	-3,3537	7,894e-003	-1,5264e-002
3,6653	-3,3934	1,4862e-002	-1,6424e-002
3,6756	-3,4308	8,9796e-003	-1,6619e-002
3,686	-3,4668	2,9788e-003	-1,7021e-002
3,6964	-3,5053	1,6417e-003	-1,8698e-002
3,7068	-3,5444	5,6542e-004	-1,9884e-002
3,7171	-3,5829	8,3181e-003	-1,805e-002
3,7275	-3,62	7,5031e-003	-1,6282e-002
3,7379	-3,6582	7,8197e-003	-1,739e-002
3,7482	-3,6971	9,6644e-004	-2,0281e-002
3,7586	-3,7355	6,1671e-004	-2,1206e-002
3,769	-3,7728	1,2014e-003	-2,001e-002
3,7793	-3,8434	3,937e-003	-1,8574e-002
3,7897	-3,8812	2,5999e-002	-1,0776e-002
3,8001	-3,9213	1,0856e-002	-1,2283e-002
3,8105	-3,9655	1,8889e-002	-1,6527e-002
3,8209	-4,005	3,9405e-003	-2,1137e-002
3,8313	-4,0443	1,4554e-003	-2,0246e-002
3,8416	-4,0855	6,9659e-003	-1,5597e-002
3,852	-4,1169	8,6613e-003	-1,4813e-002
3,8624	-4,1656	2,0835e-002	-1,5296e-002
3,8728	-4,2039	2,7311e-002	-1,9235e-002
3,8831	-4,2441	6,4116e-003	-1,938e-002
3,8935	-4,2845	4,9392e-004	-1,9619e-002
3,9039	-4,3244	4,5244e-003	-1,8004e-002
3,9143	-4,3719	8,7879e-003	-1,8274e-002
3,9246	-4,4103	2,0311e-002	-1,8437e-002
3,935	-4,454	1,2152e-002	-1,8792e-002
3,9454	-4,4934	1,0669e-003	-2,0091e-002
3,9558	-4,536	3,5834e-003	-2,0329e-002
3,9661	-4,5794	2,5724e-004	-2,1225e-002
3,9765	-4,6215	1,081e-002	-2,0195e-002
3,9869	-4,6633	4,7321e-003	-2,0198e-002

	-4,7056	3,4307e-003	-2,0228e-002
4,	-4,7171	2,2136e-003	-2,1899e-002
4,0104	-4,7625	1,5553e-003	-2,2464e-002
4,0207	-4,8057	6,6115e-003	-2,1699e-002
4,0311	-4,8501	2,5863e-003	-2,0943e-002
4,0415	-4,8928	6,4002e-003	-2,1771e-002
4,0518	-4,9372	6,4148e-004	-2,4853e-002
4,0622	-4,9821	8,0766e-004	-2,5913e-002
4,0726	-5,0248	1,0525e-003	-2,4645e-002
4,0829	-5,0702	6,3289e-003	-2,2904e-002
4,0933	-5,1134	4,9728e-003	-2,4173e-002
4,1036	-5,1566	1,0587e-003	-2,6791e-002
4,1139	-5,1717	9,2627e-004	-2,8453e-002
4,1242	-5,2175	2,0293e-003	-2,8025e-002
4,1346	-5,2648	3,2212e-003	-2,6719e-002
4,1447	-5,3054	6,6197e-003	-2,6794e-002
4,1551	-5,3521	3,0273e-003	-2,8626e-002
4,1654	-5,3988	2,9512e-003	-3,0259e-002
4,1758	-5,4425	2,4104e-003	-3,0975e-002
4,186	-5,5118	2,0165e-003	-3,1219e-002
4,1962	-5,516	8,2897e-003	-3,1118e-002
4,2065	-5,5616	1,1557e-002	-3,0721e-002
4,2168	-5,603	7,1911e-003	-3,1498e-002
4,2272	-5,648	3,7694e-003	-3,3559e-002
4,2375	-5,6981	2,9804e-003	-3,473e-002
4,2479	-5,7444	3,3846e-003	-3,4285e-002
4,2582	-5,791	2,4765e-003	-3,3276e-002
4,2681	-5,9167	5,6215e-002	-2,1475e-002
4,2785	-6,037	9,1483e-002	-6,5906e-003
4,2888	-6,087	3,2571e-002	-1,3613e-002
4,2991	-6,1321	2,5568e-002	-2,962e-002
4,3094	-6,1824	2,4446e-002	-2,7495e-002
4,3198	-6,2284	2,262e-002	-1,9875e-002
4,3301	-6,2739	4,5103e-002	-1,858e-002
4,3405	-6,3234	4,3323e-002	-2,394e-002
4,3508	-6,3745	5,6372e-002	-2,0372e-002
4,3612	-6,4279	1,6031e-002	-2,049e-002
4,3715	-6,4772	1,1276e-002	-2,6487e-002
4,3819	-6,5255	4,4131e-003	-3,1112e-002
4,3922	-6,581	2,4451e-002	-2,2943e-002
4,4026	-6,638	2,4904e-002	-1,8044e-002
4,4129	-6,687	2,7292e-002	-2,0793e-002
4,4233	-6,786	3,0342e-003	-2,772e-002
4,4336	-6,8409	3,3586e-003	-2,7615e-002
4,444	-6,8983	8,6645e-003	-2,5335e-002
4,4543	-6,963	5,7892e-003	-2,6172e-002
4,4647	-7,0025	1,6791e-002	-2,5727e-002
4,475	-7,0216	1,1275e-002	-2,3425e-002
4,4853	-7,0629	2,3288e-002	-2,3141e-002
4,4957	-7,1007	3,0135e-003	-2,7857e-002
4,506	-7,146	6,2096e-004	-3,127e-002
4,5164	-7,1809	2,189e-003	-2,9648e-002
4,5267	-7,2211	1,886e-002	-2,4311e-002
4,537	-7,2624	1,2078e-002	-2,3677e-002
4,5474	-7,2705	1,0697e-002	-2,7144e-002
4,5577	-7,3145	2,4384e-003	-3,1105e-002
4,568	-7,3571	2,0903e-003	-3,1776e-002
4,5784	-7,367	3,269e-003	-2,8448e-002
4,5887	-7,4285	1,3754e-002	-2,0332e-002
4,5991	-7,4761	5,547e-002	-9,119e-003
4,6095	-7,5098	1,8031e-002	-1,7417e-002
4,6198	-7,5664	3,4893e-002	-2,4321e-002
4,6302	-7,6086	4,4874e-003	-3,4472e-002
4,6405	-7,6558	1,8009e-003	-3,1734e-002
4,6509	-7,4671	6,1283e-003	-1,9843e-002
4,6613	-5,9617	4,4531e-002	-1,0977e-002
4,6716	-6,0533	3,5451e-002	-1,7074e-002
4,682	-6,0958	1,1847e-002	-2,8783e-002
4,6923	-6,1353	1,1732e-002	-2,8611e-002
4,7027	-6,194	3,9182e-003	-2,587e-002
4,713	-6,2197	2,1483e-002	-2,17e-002
4,7234	-5,0833	4,5248e-002	-2,3598e-002
4,7337	-5,1462	4,8979e-002	-1,8863e-002
4,744	-5,1346	3,1869e-002	-1,7227e-002
4,7544	-5,196	1,2306e-002	-2,6308e-002
4,7647	-5,2489	5,7699e-003	-3,4013e-002
4,7751	-5,2716	1,6225e-002	-2,6027e-002
4,7854	-5,3311	3,7868e-002	-1,4783e-002
4,7958	-5,3644	2,3965e-002	-1,9258e-002
4,8061	-5,402	4,1417e-003	-3,2127e-002
4,8165	-5,4383	2,182e-003	-3,4936e-002
4,8268	-5,4833	1,638e-002	-2,6712e-002
4,8372	-5,5277	6,9565e-003	-2,2811e-002
4,8475	-5,5696	3,9312e-002	-2,6012e-002
4,8579	-5,6074	4,8845e-003	-2,8995e-002
4,8682	-5,6525	1,2377e-002	-2,9232e-002
4,8785	-5,6976	3,3718e-003	-3,2474e-002

	-5,7438	3,6736e-003	-3,3929e-002
4,8992	-5,7869	1,0999e-002	-3,0288e-002
4,9096	-5,8252	1,9614e-002	-2,6015e-002
4,9199	-5,8743	6,5502e-003	-2,9609e-002
4,9302	-5,9167	1,2161e-003	-3,71e-002
4,9406	-5,912	4,7792e-002	-2,6798e-002
4,9509	-4,2151	2,4173e-002	-2,8261e-002
4,9612	-4,285	2,1755e-002	-2,9794e-002
4,9716	-4,3214	1,5019e-002	-2,8775e-002
4,9819	-4,3622	1,461e-002	-3,0669e-002
4,9923	-4,4082	1,433e-002	-3,2977e-002
5,	-4,4417	6,3106e-003	-3,4015e-002
5,0104	-4,4907	4,7072e-003	-3,3547e-002
5,0207	-4,5442	9,3749e-003	-2,9974e-002
5,031	-4,5894	9,1435e-003	-3,0104e-002
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5,0517	-4,6829	2,6242e-003	-3,6736e-002
5,0621	-4,7312	7,1137e-003	-3,3957e-002
5,0724	-4,7851	3,3886e-003	-3,2915e-002
5,0828	-4,8317	1,0571e-002	-3,4445e-002
5,0931	-4,8045	1,4047e-002	-3,5731e-002
5,1034	-4,8484	8,8285e-003	-3,6257e-002
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5,1344	-4,9826	9,1004e-003	-3,5904e-002
5,1448	-5,0273	8,0837e-003	-3,5998e-002
5,1551	-5,0819	4,0255e-003	-3,7495e-002
5,1655	-5,1234	4,322e-003	-3,7727e-002
5,1758	-5,1605	1,777e-003	-3,8405e-002
5,1861	-5,2012	5,7594e-003	-3,7875e-002
5,1965	-5,2411	3,6685e-003	-3,7976e-002
5,2068	-5,2869	4,3524e-003	-3,8528e-002
5,2171	-5,335	2,9188e-003	-3,9617e-002
5,2275	-5,3742	3,2849e-003	-4,0225e-002
5,2378	-5,4197	4,5949e-003	-4,0165e-002
5,2481	-5,4709	3,6307e-003	-3,9921e-002
5,2584	-5,5176	3,4959e-003	-3,965e-002
5,2688	-5,5633	3,1613e-003	-4,0532e-002
5,2791	-5,6068	4,5649e-003	-4,1411e-002
5,2894	-5,6524	2,2244e-003	-4,2158e-002
5,2997	-5,7003	3,5333e-003	-4,1654e-002
5,3101	-5,7482	7,175e-003	-4,1118e-002
5,3204	-5,8681	1,1029e-002	-4,3888e-002
5,3308	-5,8915	4,0684e-002	-3,008e-002
5,3411	-5,953	4,323e-002	-2,3935e-002
5,3515	-6,0041	2,5416e-002	-2,9307e-002
5,3618	-6,0263	9,2929e-003	-4,0623e-002
5,3722	-6,081	2,3808e-003	-4,1204e-002
5,3825	-6,1345	3,598e-002	-3,3347e-002
5,3929	-6,0411	2,0044e-002	-3,2087e-002
5,4033	-6,0606	2,1217e-002	-3,4589e-002
5,4136	-6,1125	2,2505e-003	-3,9065e-002
5,4239	-6,1547	1,9422e-002	-3,515e-002
5,4343	-6,2074	4,0653e-003	-3,7179e-002
5,4447	-6,2452	1,0034e-002	-3,9007e-002
5,455	-6,2917	1,7772e-003	-4,149e-002
5,4653	-5,8799	2,318e-002	-3,5951e-002
5,4757	-5,9513	1,1273e-002	-3,4511e-002
5,486	-5,9975	8,8085e-003	-3,9472e-002
5,4964	-6,0346	3,1469e-003	-4,5238e-002
5,5067	-6,0902	1,5581e-003	-4,3318e-002
5,517	-6,1409	8,036e-003	-3,755e-002
5,5274	-6,1894	1,7324e-002	-3,5526e-002
5,5377	-6,2346	1,842e-002	-3,7596e-002
5,548	-6,2777	3,6495e-003	-4,2865e-002
5,5583	-6,3299	3,5248e-003	-4,4805e-002
5,5687	-6,3766	8,7139e-003	-4,3651e-002
5,579	-6,4278	1,1438e-002	-3,9124e-002
5,5893	-6,4733	8,3521e-003	-3,733e-002
5,5996	-6,5261	1,3739e-002	-3,9875e-002
5,6099	-6,5607	4,1789e-003	-4,499e-002
5,6203	-6,6085	5,057e-003	-4,5869e-002
5,6306	-6,6664	5,0715e-003	-4,2108e-002
5,6409	-6,7051	1,0431e-002	-4,0064e-002
5,6512	-6,744	4,4862e-003	-4,3427e-002
5,6615	-6,7829	2,1567e-003	-4,8429e-002
5,6718	-6,8261	4,7571e-003	-4,8491e-002
5,6822	-6,8788	1,7635e-003	-4,587e-002
5,6925	-6,9183	5,1872e-003	-4,455e-002
5,7028	-6,9488	3,7284e-003	-4,7611e-002
5,7131	-6,9908	2,2148e-003	-5,1139e-002
5,7234	-6,7907	3,2802e-002	-4,3948e-002
5,7337	-6,768	7,0022e-002	-3,367e-002
5,7441	-6,8253	1,2878e-002	-4,1311e-002
5,7544	-6,8774	1,8089e-002	-4,9815e-002
5,7647	-6,9159	1,1936e-002	-5,201e-002
5,7751	-6,9748	1,2276e-002	-4,5437e-002



	-7,0287	7,5591e-003	-4,2086e-002
5,7957	-7,0605	1,4644e-002	-4,4478e-002
5,8061	-7,0829	4,8303e-003	-5,1641e-002
5,8164	-7,152	2,9773e-003	-5,4462e-002
5,8268	-7,2069	3,5949e-003	-5,049e-002
5,8371	-7,2452	1,3721e-002	-4,5717e-002
5,8474	-7,2856	1,3465e-002	-4,6905e-002
5,8577	-7,3265	3,2027e-003	-5,2594e-002
5,8681	-7,3845	5,363e-003	-5,5133e-002
5,8784	-7,4317	3,978e-003	-5,2731e-002
5,8887	-7,4962	5,0522e-002	-4,0626e-002
5,899	-7,544	1,8841e-002	-4,4492e-002
5,9093	-7,5973	1,1852e-002	-4,863e-002
5,9197	-7,6138	9,348e-003	-4,8253e-002
5,93	-7,6756	1,0385e-002	-4,706e-002
5,9401	-8,6347	7,0984e-003	-4,6276e-002
5,9504	-5,899	3,7359e-002	-5,2266e-002
5,9607	-5,9804	4,414e-002	-3,4563e-002
5,9711	-6,0604	6,3399e-002	-2,2565e-002
5,9814	-6,0869	3,3618e-002	-2,7256e-002
5,9917	-6,1216	1,575e-002	-4,0007e-002
6,	-6,1567	1,6342e-002	-3,992e-002
6,0103	-6,2195	2,4061e-002	-4,4208e-002
6,0207	-6,2688	1,6919e-002	-4,0061e-002
6,031	-6,3004	4,554e-002	-3,1539e-002
6,0414	-6,3491	3,6095e-002	-3,1279e-002
6,0517	-6,4173	5,4995e-003	-4,0003e-002
6,062	-6,4441	6,8381e-003	-4,6636e-002
6,0724	-6,5025	4,8752e-003	-4,5443e-002
6,0827	-6,5415	4,0824e-002	-3,4998e-002
6,093	-6,61	1,1221e-002	-3,4018e-002
6,1034	-6,6562	1,9854e-002	-4,0598e-002
6,1137	-6,698	1,8832e-003	-5,1263e-002
6,124	-6,7376	1,1066e-002	-4,7384e-002
6,1344	-6,7936	5,1246e-003	-4,0024e-002
6,1447	-6,8424	3,789e-002	-3,7483e-002
6,155	-6,8916	1,3279e-002	-4,6618e-002
6,1653	-6,9392	5,1061e-003	-5,0558e-002
6,1757	-6,9797	2,8808e-003	-4,8226e-002
6,186	-7,0125	1,9438e-002	-4,4362e-002
6,1963	-7,0751	1,9995e-002	-4,6728e-002
6,2067	-7,1274	2,2549e-002	-4,9e-002
6,217	-7,1741	2,7114e-003	-4,9992e-002
6,2273	-7,2163	5,1311e-003	-5,0667e-002
6,2376	-7,2535	1,976e-002	-5,0047e-002
6,248	-7,3134	2,6432e-002	-4,9105e-002
6,2583	-7,3568	4,0883e-003	-5,2562e-002
6,2686	-7,3985	1,4134e-003	-5,686e-002
6,2789	-7,5075	9,0523e-003	-5,5137e-002
6,2892	-7,6087	2,5631e-002	-4,8286e-002
6,2996	-7,6656	2,3543e-002	-4,8007e-002
6,3099	-7,7288	6,1407e-003	-5,6833e-002
6,3202	-7,7607	1,115e-003	-5,9697e-002
6,3305	-7,8158	1,4223e-002	-5,3485e-002
6,3409	-7,8784	2,1969e-002	-5,1023e-002
6,3512	-7,9302	4,2975e-003	-5,6853e-002
6,3615	-7,9718	1,2391e-003	-6,2166e-002
6,3719	-8,0168	7,1847e-003	-5,999e-002
6,3822	-8,0767	1,67e-002	-5,6224e-002
6,3925	-8,131	9,2776e-003	-5,7698e-002
6,4028	-5,0089	3,0088e-002	-5,1585e-002
6,4132	-5,0196	1,8043e-002	-5,6226e-002
6,4235	-5,1411	1,4255e-002	-5,6651e-002
6,4338	-5,1738	3,4441e-002	-5,4058e-002
6,4441	-5,1987	1,4478e-002	-5,5183e-002
6,4545	-5,269	7,6577e-003	-5,9518e-002
6,4648	-5,2895	1,1996e-002	-6,0007e-002
6,4751	-5,342	1,2778e-002	-5,8014e-002
6,4854	-5,3899	2,4435e-002	-5,799e-002
6,4957	-5,4335	8,8687e-003	-6,2429e-002
6,5061	-5,492	5,6055e-003	-6,3056e-002
6,5164	-5,5321	1,8477e-002	-6,144e-002
6,5267	-5,5715	2,0775e-002	-6,2327e-002
6,537	-5,6432	4,629e-003	-6,556e-002
6,5473	-5,6601	7,2272e-003	-6,6391e-002
6,5576	-5,7141	1,8374e-002	-6,5758e-002
6,568	-5,7543	1,1321e-002	-6,6681e-002
6,5783	-5,8156	7,1419e-003	-6,8562e-002
6,5886	-5,8794	4,0037e-003	-6,9775e-002
6,5989	-5,8977	2,0874e-002	-6,9811e-002
6,6092	-5,9614	1,4959e-002	-7,0715e-002
6,6195	-6,0092	3,135e-003	-6,6875e-002
6,6298	-6,0595	1,1811e-002	-6,6791e-002
6,6401	-6,0965	2,7784e-003	-7,0722e-002
6,6504	-6,1412	1,1747e-002	-7,4315e-002
6,6607	-6,1864	3,8134e-003	-7,4727e-002
6,671	-6,2379	1,0739e-002	-7,1362e-002

	-6,2917	4,914e-003	-7,1112e-002
6,6916	-6,3337	7,2104e-003	-7,6636e-002
6,7019	-6,3756	3,2621e-003	-7,8733e-002
6,7121	-6,4401	2,6584e-003	-7,5716e-002
6,7224	-6,4869	9,298e-003	-7,485e-002
6,7327	-6,5316	9,1718e-003	-7,9663e-002
6,743	-6,582	4,2835e-003	-8,2015e-002
6,7533	-6,6103	5,4207e-004	-7,9734e-002
6,7636	-6,6603	8,2699e-003	-7,8747e-002
6,7738	-6,6935	1,2488e-002	-8,2695e-002
6,7841	-6,7432	7,103e-004	-8,5236e-002
6,7944	-5,8739	6,7681e-003	-8,2133e-002
6,8047	-5,8913	5,6663e-002	-7,2053e-002
6,815	-5,9716	2,1769e-002	-7,0596e-002
6,8253	-6,0354	3,631e-002	-8,0644e-002
6,8356	-6,0366	1,8763e-002	-8,5227e-002
6,8459	-6,1046	5,1965e-002	-7,3913e-002
6,8562	-6,1526	3,033e-002	-7,1647e-002
6,8664	-2,8825	4,7391e-002	-5,7461e-002
6,8768	-2,877	0,12927	-4,0404e-002
6,8872	-2,8991	3,4055e-002	-5,1041e-002
6,8975	-2,9343	3,3996e-002	-5,889e-002
6,9079	-2,9926	2,941e-002	-5,9178e-002
6,9182	-3,0677	1,4258e-002	-5,9682e-002
6,9286	-3,1012	8,7938e-002	-5,6856e-002
6,939	-3,1226	1,5581e-002	-5,6826e-002
6,9493	-3,1392	5,1354e-002	-5,2618e-002
6,9597	-3,2118	4,2434e-003	-5,9558e-002
6,9701	-3,2722	7,3584e-002	-6,058e-002
6,9805	-3,3081	2,6789e-002	-6,0545e-002
6,9908	-3,3434	4,1058e-002	-5,6991e-002
7,	-3,3737	7,159e-003	-5,9205e-002
7,0104	-3,4092	2,4794e-002	-6,2862e-002
7,0207	-3,4469	3,0306e-002	-6,4957e-002
7,0311	-3,4859	3,3198e-002	-6,1511e-002
7,0415	-3,5215	3,9998e-003	-6,2191e-002
7,0518	-3,5538	2,1802e-002	-6,5788e-002
7,0622	-3,5902	2,6855e-002	-6,8001e-002
7,0726	-3,628	1,4868e-002	-6,5652e-002
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7,0933	-3,696	9,0418e-003	-6,8914e-002
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7,1347	-3,87	1,6632e-003	-7,1992e-002
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7,1554	-3,9912	2,996e-002	-7,1346e-002
7,1658	-4,056	1,7071e-002	-7,103e-002
7,1761	-4,1137	3,4914e-003	-7,4046e-002
7,1865	-4,1744	1,1754e-002	-7,6177e-002
7,1968	-4,2323	2,8533e-002	-7,5171e-002
7,2072	-4,2794	1,5995e-002	-7,4989e-002
7,2175	-4,3431	1,147e-002	-7,6687e-002
7,2278	-4,4144	1,3207e-002	-7,8895e-002
7,2382	-4,4918	2,2342e-002	-7,8107e-002
7,2485	-4,551	2,082e-002	-7,7724e-002
7,2589	-4,5757	5,3522e-003	-7,957e-002
7,2692	-4,6445	6,0798e-003	-8,1779e-002
7,2795	-4,7168	1,3203e-002	-8,052e-002
7,2899	-4,7546	1,8925e-002	-7,9865e-002
7,3002	-4,8163	1,4403e-002	-8,3082e-002
7,3106	-4,8823	9,1704e-003	-8,4134e-002
7,3209	-4,9618	1,213e-002	-8,3093e-002
7,3312	-5,0085	7,262e-003	-8,326e-002
7,3416	-5,0779	1,2908e-002	-8,3303e-002
7,3519	-5,1598	2,877e-002	-7,3024e-002
7,3623	-5,1897	0,1443	-5,8803e-002
7,3727	-5,292	2,3246e-002	-6,5593e-002
7,383	-5,3605	3,9356e-002	-8,259e-002
7,3934	-5,3368	1,1207e-002	-8,1974e-002
7,4038	-5,4309	0,10946	-6,1537e-002
7,4142	-5,4723	3,5064e-002	-6,7746e-002
7,4246	-5,505	2,1344e-002	-8,6883e-002
7,435	-5,55	4,0638e-002	-8,0772e-002
7,4454	-3,5983	6,7243e-002	-6,6003e-002
7,4558	-3,6612	6,2738e-002	-6,6762e-002
7,4661	-3,6768	1,154e-002	-7,8844e-002
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7,4869	-3,7238	1,285e-002	-7,1151e-002
7,4972	-3,7177	3,132e-002	-7,e-002
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7,5387	-3,8538	2,9271e-002	-7,3279e-002
7,5491	-3,8536	3,9159e-002	-7,9292e-002
7,5595	-3,7843	4,605e-003	-8,6507e-002
7,5699	-4,0966	1,1839e-002	-8,0335e-002

	-4,1346	3,2896e-002	-7,668e-002
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7,601	-4,1971	2,5037e-003	-8,6983e-002
7,6113	-4,222	9,0347e-004	-8,4881e-002
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7,6321	-4,2735	7,0443e-003	-8,4212e-002
7,6424	-4,282	3,2245e-003	-8,8726e-002
7,6528	-4,3117	5,4319e-003	-8,7558e-002
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7,777	-4,4309	4,4111e-003	-9,5166e-002
7,7873	-4,4594	4,5208e-003	-9,5227e-002
7,7977	-4,4704	3,2833e-003	-9,621e-002
7,808	-4,4892	3,4598e-003	-9,7429e-002
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7,9215	-3,7494	0,39653	-9,5428e-003
7,9316	-3,6495	0,24962	-8,0934e-003
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7,952	-3,7936	4,4839e-002	-8,6421e-002
7,9621	-3,7544	8,2495e-003	-8,2683e-002
7,9723	-3,8099	0,15676	-2,3699e-002
7,9825	-3,7897	0,19508	-5,4143e-003
7,9926	-3,8712	0,25549	-1,8202e-002
8,	-3,9161	0,25752	-1,4597e-002
8,0101	-3,9106	0,16695	-2,7804e-002
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8,112	-2,3272	5,996e-002	-3,7903e-002
8,1222	-2,3707	7,0111e-002	-3,3683e-002
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8,2041	-2,7495	1,6888e-002	-4,2315e-002
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8,245	-2,9342	3,7658e-002	-3,447e-002
8,2552	-2,9824	2,8776e-002	-3,6803e-002
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8,3064	-3,2164	3,842e-002	-3,529e-002
8,3166	-3,2621	3,7081e-002	-3,5883e-002
8,3268	-3,3073	4,1304e-002	-3,9032e-002
8,337	-3,3549	3,7885e-002	-3,9134e-002
8,3473	-3,4006	4,2881e-002	-3,7781e-002
8,3575	-3,4462	4,6141e-002	-3,8245e-002
8,3677	-3,4918	4,8995e-002	-3,9804e-002
8,3779	-3,5373	4,4826e-002	-4,0112e-002
8,3881	-3,5839	4,5111e-002	-3,9947e-002
8,3984	-3,6286	4,9647e-002	-4,1357e-002
8,4086	-3,6736	4,9675e-002	-4,2764e-002
8,4188	-3,72	4,6354e-002	-4,2128e-002
8,429	-3,7652	5,0281e-002	-4,227e-002
8,4392	-3,8105	5,333e-002	-4,3964e-002
8,4494	-3,8558	5,248e-002	-4,4681e-002
8,4597	-3,901	5,223e-002	-4,4444e-002

	-3,9472	5,5836e-002	-4,493e-002
8,4801	-3,9965	5,5477e-002	-4,5615e-002
8,4903	-4,0212	4,9738e-002	-4,314e-002
8,5006	-4,0713	6,405e-002	-4,7384e-002
8,5108	-4,1235	3,7882e-002	-3,2721e-002
8,5211	-4,2521	7,6404e-002	-1,8165e-002
8,5314	-4,2991	0,10384	-1,2836e-002
8,5417	-4,2667	7,1646e-002	-3,3528e-002
8,552	-4,3028	4,6453e-002	-4,9687e-002
8,5622	-4,3525	5,7428e-002	-4,7231e-002
8,5725	-4,4006	6,8787e-002	-3,0215e-002
8,5828	-4,5874	7,1677e-002	-1,8277e-002
8,5931	-4,3985	6,5436e-002	-2,354e-002
8,6033	-4,5236	6,2104e-002	-3,4806e-002
8,6136	-4,5851	6,4613e-002	-4,4702e-002
8,6239	-4,6167	6,3867e-002	-4,3865e-002
8,6342	-4,6652	6,9515e-002	-3,5641e-002
8,6445	-4,8297	7,07e-002	-2,3521e-002
8,6547	-4,7603	7,8906e-002	-2,6851e-002
8,665	-4,8278	6,4184e-002	-3,9541e-002
8,6753	-4,8376	6,7306e-002	-4,6607e-002
8,6856	-4,9073	7,2855e-002	-4,1292e-002
8,6959	-4,9295	7,3534e-002	-3,5079e-002
8,7062	-4,9663	6,7886e-002	-3,2404e-002
8,7165	-5,0542	7,2779e-002	-3,2178e-002
8,7267	-5,0751	7,338e-002	-3,6622e-002
8,737	-5,1275	7,0345e-002	-4,3569e-002
8,7473	-5,2523	6,96e-002	-4,6019e-002
8,7576	-5,3548	7,4961e-002	-4,0164e-002
8,7679	-5,347	7,2545e-002	-3,446e-002
8,7782	-5,3061	6,8084e-002	-3,0429e-002
8,7884	-5,3633	8,0164e-002	-3,3634e-002
8,7987	-5,3514	7,5037e-002	-3,9845e-002
8,809	-5,4252	7,5965e-002	-4,2088e-002
8,8193	-5,4686	8,1509e-002	-4,0703e-002
8,8296	-5,5163	8,4654e-002	-3,8153e-002
8,8398	-5,5635	8,1613e-002	-3,6999e-002
8,8501	-5,6041	8,55e-002	-3,4769e-002
8,8604	-5,6461	8,5209e-002	-3,4521e-002
8,8707	-5,6888	8,3141e-002	-3,7665e-002
8,881	-5,7356	8,2848e-002	-4,1485e-002
8,8913	-5,7748	8,3083e-002	-4,2196e-002
8,9016	-5,818	8,7099e-002	-4,1323e-002
8,9118	-5,7551	8,2777e-002	-3,9826e-002
8,9221	-5,7994	8,1884e-002	-3,7302e-002
8,9324	-5,8285	8,4873e-002	-3,6568e-002
8,9427	-5,8731	8,6347e-002	-4,0725e-002
8,953	-5,9153	8,5605e-002	-4,4139e-002
8,9633	-5,9565	8,4713e-002	-4,2796e-002
8,9736	-6,0004	8,8514e-002	-4,1753e-002
8,9839	-6,0457	8,4305e-002	-4,3549e-002
8,9942	-6,0899	8,4186e-002	-4,3076e-002
9,	-6,1153	8,4015e-002	-4,4193e-002
9,0103	-6,1616	8,3447e-002	-4,5369e-002
9,0206	-6,2152	8,6489e-002	-4,2172e-002
9,0309	-6,3972	0,97608	-3,8782e-002
9,0412	-6,4782	1,9778	-3,8423e-002
9,0515	-6,5212	1,9553	-3,8687e-002
9,0618	-6,535	1,8101	-4,0141e-002
9,0722	-6,5927	1,6949	-4,2292e-002
9,0825	-6,6369	1,6405	-4,1427e-002
9,0928	-6,6826	1,3816	-3,9834e-002
9,1031	-6,7236	1,357	-4,2189e-002
9,1135	-6,7671	1,3463	-4,5037e-002
9,1238	-6,8076	1,3319	-4,422e-002
9,1341	-6,8487	1,3259	-4,2768e-002
9,1444	-6,8912	1,3318	-4,419e-002
9,1548	-6,945	1,3683	-3,7641e-002
9,1651	-6,9837	1,3793	-4,3179e-002
9,1754	-7,0258	1,2848	-4,6317e-002
9,1858	-7,0538	1,2856	-4,6699e-002
9,1961	-7,087	1,2811	-4,2643e-002
9,2064	-7,1142	1,3099	-4,4152e-002
9,2168	-7,1459	1,334	-4,4774e-002
9,2271	-7,1817	1,3313	-4,1588e-002
9,2375	-7,212	1,2844	-4,1402e-002
9,2478	-7,245	1,2561	-4,6318e-002
9,2581	-7,2805	1,2121	-4,903e-002
9,2685	-7,3149	1,1811	-4,7242e-002
9,2788	-7,3558	1,1893	-4,7002e-002
9,2892	-7,3871	1,1797	-4,6918e-002
9,2995	-7,419	1,1768	-4,6588e-002
9,3093	-4,6895	1,7022	-3,0482e-002
9,3196	-4,3645	1,6835	-4,6811e-002
9,3299	-4,5159	1,7812	-4,9485e-002
9,3403	-4,57	1,8244	-4,4609e-002
9,3506	-4,5766	1,8069	-3,9898e-002

	-4,5977	1,8558	-3,5708e-002
9,3713	-4,6936	1,677	-3,567e-002
9,3817	-4,7206	1,5899	-4,2229e-002
9,392	-4,6801	1,5937	-5,0463e-002
9,4024	-4,8111	1,5443	-4,7053e-002
9,4127	-4,8332	1,6281	-4,3558e-002
9,4231	-4,862	1,6885	-4,0034e-002
9,4334	-4,8561	1,7639	-3,7767e-002
9,4438	-4,8517	1,6459	-3,8167e-002
9,4541	-4,8745	1,6279	-4,7051e-002
9,4645	-4,8829	1,5927	-4,9932e-002
9,4748	-4,8889	1,6529	-4,4473e-002
9,4852	-4,9149	1,6875	-3,9041e-002
9,4955	-4,9259	1,7665	-3,9136e-002
9,5059	-4,9403	1,7161	-3,9324e-002
9,5163	-4,9661	1,6939	-4,4453e-002
9,5266	-4,9764	1,646	-5,0078e-002
9,537	-2,5429	1,715	-4,1181e-002
9,5473	-2,6484	1,7476	-3,6715e-002
9,5576	-2,6849	1,8691	-3,9235e-002
9,568	-2,7391	1,6925	-3,5646e-002
9,5783	-2,8041	1,7366	-4,1345e-002
9,5886	-2,8509	1,6691	-4,6898e-002
9,599	-2,9083	1,7577	-4,5372e-002
9,6093	-2,9652	1,7433	-3,7571e-002
9,6196	-3,0087	1,8245	-3,9218e-002
9,63	-3,0593	1,767	-4,0612e-002
9,6403	-3,1186	1,7541	-4,3782e-002
9,6507	-3,1585	1,7005	-4,6711e-002
9,661	-3,19	1,7263	-4,7239e-002
9,6714	-3,2445	1,74	-4,1523e-002
9,6817	-3,2936	1,7593	-3,926e-002
9,692	-3,3263	1,7616	-4,3189e-002
9,7024	-3,6325	1,726	-4,5804e-002
9,7127	-3,6087	1,6941	-4,743e-002
9,7231	-3,6514	1,7057	-4,7185e-002
9,7334	-3,6933	1,7569	-4,4833e-002
9,7438	-3,7337	1,7456	-4,1077e-002
9,7541	-3,7669	1,7459	-4,3544e-002
9,7645	-3,8118	1,7038	-4,7413e-002
9,7748	-3,8556	1,6834	-4,8653e-002
9,7851	-3,8965	1,6856	-4,7798e-002
9,7955	-3,9283	1,7257	-4,6489e-002
9,8058	-3,9668	1,7349	-4,4263e-002
9,8162	-4,0046	1,7311	-4,4711e-002
9,8265	-4,0353	1,7002	-4,8303e-002
9,8369	-4,0702	1,6861	-5,0313e-002
9,8472	-4,1023	1,6824	-4,9095e-002
9,8576	-4,1513	1,7034	-4,7505e-002
9,8679	-4,1996	1,719	-4,6624e-002
9,8783	-4,2442	1,7138	-4,7023e-002
9,8886	-4,2907	1,6875	-4,9176e-002
9,899	-4,3377	1,6764	-5,1403e-002
9,9093	-4,3836	1,6762	-5,0622e-002
9,9197	-4,4288	1,689	-4,8365e-002
9,93	-4,5819	1,7075	-4,5032e-002
9,9404	-4,6123	1,7035	-4,1978e-002
9,9507	-4,5607	1,6564	-4,4893e-002
9,9611	-4,661	1,7451	-5,1168e-002
9,9714	-4,7192	1,678	-4,7099e-002
9,9817	-4,7261	1,7091	-4,6553e-002
9,9921	-4,837	1,6776	-4,62e-002
10,	-4,7813	1,6913	-4,7493e-002
10,01	-4,8373	1,7094	-4,6729e-002
10,021	-4,8837	1,6676	-4,5411e-002
10,031	-4,822	1,7001	-4,7692e-002
10,041	-4,8728	1,6568	-4,7779e-002
10,052	-4,8681	1,669	-4,831e-002
10,062	-4,9041	1,6482	-4,7488e-002
10,072	-4,9056	1,6681	-4,6636e-002
10,083	-4,9428	1,656	-4,6686e-002
10,093	-4,9748	1,6641	-4,9103e-002
10,103	-4,9909	1,6435	-5,0657e-002
10,114	-5,1612	1,6331	-4,8752e-002
10,124	-4,9354	1,6272	-4,2741e-002
10,134	-4,9923	1,6885	-4,6486e-002
10,145	-5,0285	1,5982	-3,8682e-002
10,155	-5,0814	1,7122	-4,3177e-002
10,165	-5,1165	1,6241	-4,7589e-002
10,176	-5,1722	1,6395	-4,5453e-002
10,186	-5,208	1,6002	-4,2739e-002
10,196	-5,2516	1,6494	-4,5886e-002
10,207	-5,2949	1,6326	-4,5942e-002
10,217	-5,3344	1,6078	-4,4756e-002
10,227	-5,3731	1,6091	-4,7392e-002
10,238	-5,4243	1,6275	-4,846e-002
10,248	-5,4643	1,6259	-4,5747e-002

	-5,5038	1,6245	-4,704e-002
10,269	-5,5511	1,6455	-4,9128e-002
10,279	-5,5923	1,6112	-4,6715e-002
10,289	-5,634	1,6026	-4,7184e-002
10,3	-5,6759	1,6128	-5,1067e-002
10,31	-5,7164	1,6153	-5,0064e-002
10,32	-5,7626	1,5932	-4,6866e-002
10,331	-5,8056	1,6297	-4,9495e-002
10,341	-5,8431	1,6131	-5,1378e-002
10,351	-5,892	1,613	-5,0008e-002
10,362	-5,9327	1,5966	-4,9708e-002
10,372	-5,974	1,6116	-5,2257e-002
10,382	-6,0155	1,5995	-5,1342e-002
10,393	-6,0587	1,6054	-5,0205e-002
10,403	-6,0995	1,5957	-5,14e-002
10,413	-6,1413	1,6009	-5,2769e-002
10,424	-6,1841	1,5834	-5,1991e-002
10,434	-6,2273	1,5925	-5,2532e-002
10,444	-6,2689	1,5997	-5,292e-002
10,455	-6,3138	1,5943	-5,2077e-002
10,465	-6,3536	1,5899	-5,2268e-002
10,475	-6,398	1,5932	-5,3105e-002
10,486	-6,4359	1,5859	-5,3089e-002
10,496	-6,4958	1,6054	-4,8597e-002
10,506	-6,5332	1,5662	-4,7953e-002
10,517	-6,5908	1,6603	-5,347e-002
10,527	-6,6158	1,5683	-4,9491e-002
10,537	-6,6593	1,5635	-4,8077e-002
10,548	-6,6966	1,5689	-5,1779e-002
10,558	-6,73	1,5983	-5,3263e-002
10,568	-6,7716	1,5419	-4,8661e-002
10,579	-6,8196	1,5776	-5,1055e-002
10,589	-6,8543	1,584	-5,2929e-002
10,599	-6,914	1,593	-5,0671e-002
10,61	-6,9501	1,5795	-5,0796e-002
10,62	-6,9883		-5,4767e-002
10,63	-3,3535	2,3652	-2,9827e-002
10,641	-2,4919	1,2157	-3,8983e-002
10,651	-2,5318	1,4942	-4,5933e-002
10,661	-2,6201	1,2738	-2,3202e-002
10,671	-2,599	1,485	-3,0654e-002
10,682	-2,6501	1,4277	-4,9109e-002
10,692	-2,7602	1,3877	-4,5733e-002
10,702	-3,0361	1,3003	-1,5107e-002
10,712	-2,9491	1,4316	-1,4333e-002
10,722	-3,0999	1,5712	-3,8322e-002
10,733	-3,1409	1,5262	-3,0294e-002
10,743	-3,1987	1,3358	-1,0292e-002
10,753	-3,2749	1,3731	-2,2599e-002
10,763	-3,2716	1,4642	-4,4403e-002
10,773	-3,3426	1,4274	-3,5329e-002
10,784	-3,4194	1,4012	-1,6084e-002
10,794	-3,457	1,4709	-2,2036e-002
10,804	-3,3979	1,4904	-3,3977e-002
10,814	-3,4398	1,4667	-3,0714e-002
10,825	-3,473	1,3513	-2,304e-002
10,835	-3,5341	1,3942	-3,0047e-002
10,845	-3,5542	1,4473	-3,7852e-002
10,855	-3,5789	1,4518	-3,0772e-002
10,866	-3,6006	1,4467	-2,1383e-002
10,876	-3,7838	1,4669	-2,6023e-002
10,886	-3,7866	1,469	-3,3896e-002
10,896	-3,8041	1,427	-3,242e-002
10,906	-3,8386	1,3861	-2,8924e-002
10,917	-3,8868	1,4094	-3,2107e-002
10,927	-3,8787	1,4649	-3,5128e-002
10,937	-3,923	1,4536	-2,8865e-002
10,947	-3,8806	1,4544	-2,494e-002
10,958	-3,922	1,441	-3,0182e-002
10,968	-3,9299	1,4395	-3,4745e-002
10,978	-4,0321	1,398	-3,1795e-002
10,988	-3,9502	1,4097	-3,0968e-002
10,999	-3,9763	1,4426	-3,2748e-002
11,	-3,9743	1,4604	-3,1504e-002
11,01	-3,9034	1,4532	-2,6089e-002
11,02	-1,5733	1,366	-3,96e-002
11,03	-1,578	1,81	-6,461e-002
11,04	-1,9278	1,178	-2,2612e-002
11,05	-1,534	1,5457	-6,8704e-003
11,06	-1,7065	1,4398	1,5207e-002
11,07	-1,6832	1,5593	1,5665e-002
11,08	-1,5828	1,656	-1,7505e-002
11,091	-1,9441	1,6353	-2,9261e-002
11,101	-1,7288	1,4619	-2,7448e-002
11,111	-1,6949	1,4131	-2,1913e-002
11,121	-1,8558	1,2025	-2,9666e-003
11,131	-1,7127	1,4132	-1,1349e-002

11,141	-1,7465	1,5503	-1,4928e-002
11,151	-1,8836	1,6146	-1,7427e-002
11,161	-1,809	1,6586	-1,7178e-002
11,171	-1,7556	1,5108	-9,2352e-003
11,181	-1,7346	1,4013	-1,0398e-002
11,192	-1,7574	1,3422	-1,6664e-002
11,202	-1,7795	1,3926	-2,2106e-002
11,212	-1,7807	1,5077	-2,4511e-002
11,222	-1,7496	1,6101	-1,9522e-002
11,232	-1,7036	1,5712	-6,2578e-003
11,242	-1,6915	1,5291	-2,7254e-003
11,252	-1,6909	1,4721	-4,2486e-003
11,262	-1,7138	1,4128	-1,934e-002
11,272	-1,7267	1,4198	-2,5414e-002
11,282	-1,7058	1,456	-2,3002e-002
11,293	-1,6823	1,4758	-9,4278e-003
11,303	-1,6368	1,5296	1,4741e-003
11,313	-1,6365	1,5398	6,0748e-003
11,323	-1,6263	1,5439	1,6519e-003
11,333	-1,6358	1,5377	-9,2819e-003
11,343	-1,6766	1,4746	-1,8746e-002
11,353	-1,7097	1,4209	-2,1563e-002
11,363	-1,7191	1,4112	-1,7188e-002
11,373	-1,6772	1,4151	-9,1304e-003
11,383	-1,6607	1,5082	-3,4697e-003
11,393	-1,5981	1,5698	-1,5719e-003
11,403	-1,5849	1,5891	-4,6797e-003
11,414	-1,6131	1,5577	-9,4162e-003
11,424	-1,6806	1,4791	-1,2263e-002
11,434	-1,7285	1,3955	-1,4951e-002
11,444	-1,7266	1,3978	-1,5138e-002
11,454	-1,7035	1,4538	-1,3549e-002
11,464	-1,6423	1,5264	-1,0707e-002
11,474	-1,6202	1,559	-6,2638e-003
11,484	-1,6214	1,5646	-4,8976e-003
11,494	-1,642	1,5247	-6,4865e-003
11,504	-1,6931	1,4531	-8,9746e-003
11,514	-1,7116	1,4223	-1,339e-002
11,524	-1,7052	1,4389	-1,5883e-002
11,535	-1,6778	1,4757	-1,5537e-002
11,545	-1,6453	1,5228	-1,2862e-002
11,555	-1,6377	1,5387	-8,1203e-003
11,565	-1,6409	1,5299	-5,3419e-003
11,575	-1,6578	1,502	-6,3163e-003
11,585	-1,6783	1,4657	-9,8444e-003
11,595	-1,6864	1,4614	-1,4744e-002
11,605	-1,6859	1,4688	-1,7336e-002
11,615	-1,6763	1,4804	-1,6468e-002
11,625	-1,6638	1,498	-1,3305e-002
11,636	-1,6584		-9,5377e-003
11,646	-1,6564	1,5078	-7,5715e-003
11,656	-1,6598	1,4999	-7,9105e-003
11,666	-1,6673	1,4903	-9,8699e-003
11,676	-1,6742	1,4852	-1,3064e-002
11,686	-1,676	1,4846	-1,5499e-002
11,696	-1,6787	1,4783	-1,5469e-002
11,706	-1,6751	1,4821	-1,425e-002
11,716	-1,6695	1,4903	-1,2892e-002
11,726	-1,6647	1,4972	-1,1638e-002
11,736	-1,6619	1,5013	-1,0596e-002
11,746	-1,6641	1,4976	-1,0044e-002
11,757	-1,6614	1,4984	-8,5887e-003
11,767	-1,6728	1,49	-1,1642e-002
11,777	-1,6729	1,48	-1,1016e-002
11,787	-1,6668	1,4659	-9,4832e-003
11,797	-1,6665	1,4825	-7,3453e-003
11,807	-1,654	1,5001	-5,7664e-003
11,817	-1,6483	1,5068	-6,3164e-003
11,827	-1,6539	1,5207	-7,8958e-003
11,837	-1,6646	1,5062	-9,2469e-003
11,847	-1,6676	1,486	-1,0605e-002
11,857	-1,6824	1,465	-1,0145e-002
11,868	-1,6791	1,4769	-9,4523e-003
11,878	-1,6706	1,4881	-8,4964e-003
11,888	-1,6569	1,5062	-7,9056e-003
11,898	-1,651	1,5158	-8,1218e-003
11,908	-1,6535	1,5122	-8,0561e-003
11,918	-1,6617	1,4976	-8,9632e-003
11,928	-1,6736	1,482	-9,6981e-003
11,938	-1,6787	1,4758	-1,0297e-002
11,948	-1,6752	1,4821	-1,0397e-002
11,958	-1,6674	1,4939	-9,8721e-003
11,968	-1,6591	1,5054	-9,1698e-003
11,978	-1,6544	1,5109	-8,6172e-003
11,989	-1,6598	1,504	-8,3164e-003
11,999	-1,6649	1,4967	-8,9969e-003
12,	-1,6723	1,4843	-1,0051e-002

12,01	-1,6751	1,4806	-1,059e-002
12,02	-1,6704	1,4889	-1,0859e-002
12,03	-1,6657	1,4963	-1,0231e-002
12,04	-1,6606	1,5028	-9,4292e-003
12,05	-1,6595	1,5041	-8,6408e-003
12,061	-1,6631	1,4997	-8,2943e-003
12,071	-1,6664	1,4949	-8,8529e-003
12,081	-1,669	1,4896	-9,896e-003
12,091	-1,6699	1,489	-1,0777e-002
12,101	-1,6688	1,492	-1,1002e-002
12,111	-1,6669	1,494	-1,0336e-002
12,121	-1,6648	1,4962	-9,3106e-003
12,131	-1,6634	1,4984	-8,4708e-003
12,141	-1,6632	1,4996	-8,3765e-003
12,151	-1,6634	1,4995	-9,1554e-003
12,161	-1,6653	1,4961	-1,011e-002
12,171	-1,668	1,4929	-1,0726e-002
12,182	-1,6703	1,49	-1,0644e-002
12,192	-1,67	1,4892	-1,0034e-002
12,202	-1,6677	1,4927	-9,3077e-003
12,212	-1,6642	1,4985	-8,8489e-003
12,222	-1,6615	1,5031	-8,8796e-003
12,232	-1,6616	1,5026	-9,3134e-003
12,242	-1,6646	1,4979	-9,8465e-003
12,252	-1,6686	1,4922	-1,0276e-002
12,262	-1,6712	1,4883	-1,0374e-002
12,272	-1,6709	1,4885	-1,0122e-002
12,282	-1,6677	1,4932	-9,6611e-003
12,293	-1,6637	1,4997	-9,2285e-003
12,303	-1,6614	1,5035	-9,0411e-003
12,313	-1,6619	1,5022	-9,1627e-003
12,323	-1,6649	1,4976	-9,5428e-003
12,333	-1,6687	1,4925	-9,9748e-003
12,343	-1,6708	1,4894	-1,0228e-002
12,353	-1,6702	1,49	-1,0191e-002
12,363	-1,6675	1,4943	-9,8962e-003
12,373	-1,6643	1,4995	-9,5047e-003
12,383	-1,6625	1,502	-9,223e-003
12,393	-1,663	1,5008	-9,171e-003
12,404	-1,6654	1,4974	-9,3808e-003
12,414	-1,6681	1,4938	-9,7298e-003
12,424	-1,6695	1,4916	-1,0022e-002
12,434	-1,669	1,4922	-1,0121e-002
12,444	-1,6672	1,4953	-9,9905e-003
12,454	-1,6651	1,4986	-9,7103e-003
12,464	-1,6641	1,5	-9,4279e-003
12,474	-1,6644	1,4991	-9,2803e-003
12,484	-1,6659	1,4972	-9,3434e-003
12,494	-1,6674	1,4952	-9,5685e-003
12,504	-1,6681	1,494	-9,8212e-003
12,514	-1,6678	1,4944	-9,9838e-003
12,525	-1,6669	1,4961	-9,983e-003
12,535	-1,666	1,4976	-9,8279e-003
12,545	-1,6656	1,498	-9,604e-003
12,555	-1,6657	1,4976	-9,4285e-003
12,565	-1,6662	1,497	-9,3887e-003
12,575	-1,6667	1,4964	-9,4896e-003
12,585	-1,6668	1,496	-9,667e-003
12,595	-1,6668	1,4962	-9,8352e-003
12,605	-1,6667	1,4967	-9,9139e-003
12,615	-1,6667	1,4968	-9,8671e-003
12,625	-1,6666	1,4965	-9,7261e-003
12,636	-1,6666	1,4965	-9,5687e-003
12,646	-1,6665	1,4969	-9,4738e-003
12,656	-1,6662	1,4974	-9,4791e-003
12,666	-1,6661	1,4975	-9,5738e-003
12,676	-1,6662	1,4975	-9,7106e-003
12,686	-1,6667	1,4971	-9,8219e-003
12,696	-1,6671	1,4963	-9,8507e-003
12,706	-1,6673	1,4957	-9,7886e-003
12,716	-1,6672	1,4961	-9,6746e-003
12,726	-1,6666	1,497	-9,5664e-003
12,736	-1,666	1,4979	-9,5123e-003
12,747	-1,6658	1,4983	-9,5365e-003
12,757	-1,666	1,4981	-9,627e-003
12,767	-1,6667	1,4973	-9,7349e-003
12,777	-1,6673	1,4962	-9,8029e-003
12,787	-1,6676	1,4956	-9,8019e-003
12,797	-1,6674	1,4961	-9,7379e-003
12,807	-1,6667	1,4972	-9,6436e-003
12,817	-1,6661	1,4981	-9,5647e-003
12,827	-1,6658	1,4985	-9,5417e-003
12,837	-1,6661	1,4982	-9,5851e-003
12,847	-1,6667	1,4974	-9,6685e-003
12,857	-1,6673	1,4964	-9,7464e-003
12,868	-1,6675	1,496	-9,7823e-003
12,878	-1,6673	1,4965	-9,7614e-003



12,888	-1,6668	1,4973	-9,6953e-003	
12,898	-1,6663	1,498	-9,6181e-003	
12,908	-1,6661	1,4983	-9,5714e-003	
12,918	-1,6663	1,4981	-9,5776e-003	
12,928	-1,6667	1,4975	-9,6288e-003	
12,938	-1,6671	1,4968	-9,6961e-003	
12,948	-1,6673	1,4965	-9,7465e-003	
12,958	-1,6672	1,4969	-9,7561e-003	
12,968	-1,6669	1,4974	-9,7209e-003	
12,979	-1,6665	1,4978	-9,6611e-003	
12,989	-1,6664	1,498	-9,6099e-003	
12,999	-1,6665		-9,5923e-003	
13,	-1,6668	1,4975	-9,6207e-003	
13,01	-1,667	1,4971	-9,6718e-003	
13,02	-1,6671	1,497	-9,7184e-003	
13,03		1,4972	-9,7383e-003	
13,04	-1,6669	1,4975	-9,722e-003	
13,05	-1,6667	1,4977	-9,6794e-003	
13,061	-1,6666	1,4978	-9,6354e-003	
13,071	-1,6667		-9,6115e-003	
13,081	-1,6668	1,4977	-9,6167e-003	
13,091	-1,6669	1,4975	-9,6465e-003	
13,101		1,4974	-9,6855e-003	
13,111	-1,667	1,4975	-9,7142e-003	
13,121	-1,6669		-9,7178e-003	
13,131	1,4976	-9,6965e-003		
13,141		-9,6639e-003		
13,151	-1,6668	1,4977	-9,6361e-003	
13,161		1,4978	-9,6252e-003	
13,171		1,4977	-9,6358e-003	
13,182		1,4978	-9,6622e-003	
13,192	-1,6669	1,4977	-9,6902e-003	
13,202	-1,667	1,4976	-9,705e-003	
13,212		1,4975	-9,701e-003	
13,222		1,4976	-9,6819e-003	
13,232		1,4977	-9,6575e-003	
13,242	-1,6669	1,4978	-9,6391e-003	
13,252	-1,6668	1,4979	-9,6361e-003	
13,262		1,498	-9,6495e-003	
13,272	-1,6669	1,4979	-9,6712e-003	
13,282	-1,667	1,4977	-9,6897e-003	
13,293	-1,6671	1,4976	-9,6967e-003	
13,303			-9,6898e-003	
13,313	-1,667	1,4977	-9,6727e-003	
13,323	-1,6669	1,4979	-9,6536e-003	
13,333	-1,6668	1,498	-9,6431e-003	
13,343		1,4981	-9,6458e-003	
13,353	-1,6669	1,498	-9,659e-003	
13,363	-1,667	1,4978	-9,6757e-003	
13,373	-1,6671	1,4976	-9,6879e-003	
13,383			-9,6899e-003	
13,393			-9,6806e-003	
13,404	-1,667	1,4979	-9,6653e-003	
13,414	-1,6669	1,498	-9,6526e-003	
13,424		1,4981	-9,6484e-003	
13,434		1,498	-9,6538e-003	
13,444	-1,667	1,4978	-9,6657e-003	
13,454	-1,6671		-9,6781e-003	
13,464			-9,6849e-003	
13,474	-1,667		-9,6823e-003	
13,484	1,4979	-9,6726e-003		
13,494	-1,6669	1,498	-9,6618e-003	
13,504			-9,6542e-003	
13,515	-1,667	1,4979	-9,654e-003	
13,525	-1,6671		-9,6603e-003	
13,535			-9,6696e-003	
13,545	-1,6671		-9,6777e-003	
13,555			-9,6797e-003	
13,565			-9,6759e-003	
13,575	-1,667	1,498	-9,6685e-003	
13,585			-9,6611e-003	
13,595	-1,6671		-9,6571e-003	
13,605			-9,6588e-003	
13,615			-9,6642e-003	
13,625			-9,6709e-003	
13,636			-9,6746e-003	
13,646			-9,6748e-003	
13,656			-9,6717e-003	
13,666			-9,6672e-003	
13,676			-9,6649e-003	
13,686			-9,6642e-003	
13,696			-9,6665e-003	
13,706			-9,6675e-003	
13,716			-9,6674e-003	
13,726				
13,736				
13,747				

13,757			
13,767			-9,6673e-003
13,777			
13,787			
13,797			-9,6672e-003
13,807			
13,817	-1,667		-9,6675e-003
13,827	-1,6673	1,4981	-9,6627e-003
13,837	-1,6671		-9,669e-003
13,847			-9,6654e-003
13,858	-1,6672	1,498	-9,6664e-003
13,868		1,4981	-9,6698e-003
13,878		1,498	-9,6628e-003
13,888			-9,6645e-003
13,898	-1,6671	1,4981	-9,666e-003
13,908		1,498	-9,6635e-003
13,918		1,4981	-9,6675e-003
13,928			-9,666e-003
13,938	-1,6672	1,498	-9,6659e-003
13,948			-9,6676e-003
13,958			-9,6655e-003
13,968	-1,6671		-9,6653e-003
13,979			-9,6655e-003
13,989			-9,665e-003
13,999			-9,6659e-003
14,			
14,01			-9,6657e-003
14,02			
14,03			-9,6658e-003
14,04			
14,05			
14,061			-9,6657e-003
14,071			
14,081			
14,091			-9,6656e-003
14,101			
14,111			
14,121			
14,131			-9,6655e-003
14,141			
14,151			
14,161			-9,6654e-003
14,172			
14,182			
14,192			
14,202			
14,212			-9,6653e-003
14,222			
14,232			
14,242			
14,252			
14,262			
14,272			
14,282		1,4981	-9,6652e-003
14,293			
14,303	-1,6672		
14,313			
14,323			
14,333			
14,343			
14,353			
14,363			-9,6651e-003
14,373			
14,383			
14,393			
14,404			
14,414			
14,424			
14,434			-9,665e-003
14,444			
14,454			
14,464			
14,474			
14,484			
14,494			
14,504			
14,514			-9,6649e-003
14,525			
14,535			
14,545			
14,555			
14,565			
14,575			
14,585			-9,6648e-003
14,595			
14,605			
14,615			

14,625		
14,635		
14,646		
14,656		
14,666		
14,676		-9,6647e-003
14,686		
14,696		
14,706		
14,716		
14,726		
14,736		
14,746		-9,6646e-003
14,756		
14,767		
14,777		
14,787		
14,797		
14,807		
14,817		
14,827		
14,837		
14,847		
14,857		
14,867	-1,6673	-9,6645e-003
14,877		
14,887		
14,898		
14,908		
14,918		
14,928		
14,938		
14,948		
14,958		
14,968		
14,978		
14,988		
14,998		
15,		-9,6644e-003

FIGURE 44

Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Directional Deformation M Z

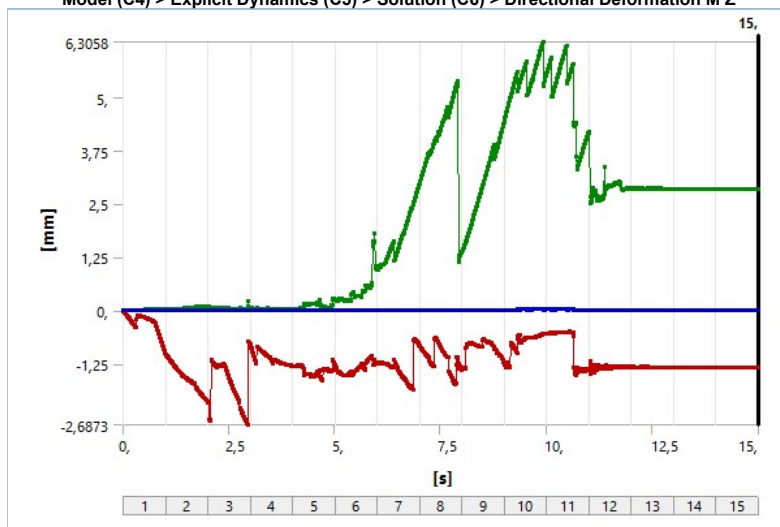


TABLE 37

Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Directional Deformation M Z

Time [s]	Minimum [mm]	Maximum [mm]	Average [mm]
1,1755e-038	0,	0,	0,
1,0443e-002	-1,1116e-002	4,372e-004	-3,645e-005
2,0904e-002	-2,535e-002	9,5583e-004	-8,0129e-005
3,1366e-002	-3,9448e-002	1,457e-003	-1,2737e-004
4,1827e-002	-5,341e-002	1,9244e-003	-1,7387e-004
5,2289e-002	-6,7225e-002	2,3854e-003	-2,1943e-004
6,275e-002	-8,0998e-002	2,8119e-003	-2,6698e-004
7,3211e-002	-9,474e-002	3,2035e-003	-3,1459e-004
8,3672e-002	-0,10847	3,575e-003	-3,6232e-004
9,4132e-002	-0,12224	3,904e-003	-4,1107e-004
0,10459	-0,13608	4,2047e-003	-4,6107e-004
0,11505	-0,15001	4,4914e-003	-5,1129e-004
0,12551	-0,16405	4,7421e-003	-5,628e-004
0,13597	-0,17823	4,9647e-003	-6,1508e-004
0,14643	-0,19255	5,1654e-003	-6,6859e-004
0,15689	-0,207	5,3408e-003	-7,2328e-004
0,16735	-0,2216	5,4866e-003	-7,7911e-004
0,17781	-0,23634	5,6031e-003	-8,3583e-004

0,18826	-0,25119	5,6938e-003	-8,9402e-004
0,19872	-0,26615	5,8423e-003	-9,5298e-004
0,20918	-0,28119	6,1525e-003	-1,013e-003
0,21963	-0,29628	6,4636e-003	-1,074e-003
0,23009	-0,31139	6,7777e-003	-1,1358e-003
0,24054	-0,32645	7,0916e-003	-1,1986e-003
0,25099	-0,34141	7,4103e-003	-1,2619e-003
0,26145	-0,3561	7,7421e-003	-1,3253e-003
0,2719	-0,37022	8,0996e-003	-1,3878e-003
0,28235	-0,3829	8,4989e-003	-1,4466e-003
0,2928	-0,39112	9,1315e-003	-1,4909e-003
0,30326	-0,38001	1,2468e-002	-1,4615e-003
0,31371	-0,21942	1,6933e-002	-8,0818e-004
0,32417	-0,14683	1,4811e-002	-4,9948e-004
0,33464	-0,13414	9,7169e-003	-3,5479e-004
0,3451	-0,13252	8,829e-003	-4,5904e-004
0,35556	-0,12306	1,0345e-002	-4,3842e-004
0,36602	-0,12167	1,0887e-002	-4,6236e-004
0,37648	-0,12505	1,0754e-002	-4,1548e-004
0,38694	-0,13021	9,82e-003	-4,7372e-004
0,3974	-0,13172	1,3862e-002	-4,5738e-004
0,40786	-0,13354	1,4389e-002	-5,0734e-004
0,41832	-0,13774	1,3682e-002	-5,1859e-004
0,42878	-0,1411	1,417e-002	-4,9854e-004
0,43924	-0,14341	1,6096e-002	-4,7756e-004
0,4497	-0,14663	1,5571e-002	-4,8992e-004
0,46016	-0,14947	1,5828e-002	-5,3313e-004
0,47062	-0,15272	1,587e-002	-5,3974e-004
0,48108	-0,15633	1,6984e-002	-5,4686e-004
0,49154	-0,15969	1,7889e-002	-5,4237e-004
0,502	-0,16329	1,8038e-002	-5,6564e-004
0,51246	-0,16712	1,7739e-002	-5,9048e-004
0,52292	-0,17056	1,8161e-002	-6,086e-004
0,53337	-0,17382	1,9899e-002	-6,2356e-004
0,54383	-0,17739	2,0252e-002	-6,3003e-004
0,55429	-0,18125	2,062e-002	-6,4203e-004
0,56475	-0,18503	2,0999e-002	-6,5597e-004
0,57521	-0,18874	2,164e-002	-6,699e-004
0,58567	-0,19259	2,237e-002	-6,8753e-004
0,59613	-0,1968	2,3244e-002	-7,0637e-004
0,60658	-0,20111	2,377e-002	-7,2106e-004
0,61704	-0,20521	2,4755e-002	-7,3182e-004
0,6275	-0,20934	2,588e-002	-7,3992e-004
0,63796	-0,21402	2,7071e-002	-7,5755e-004
0,64842	-0,21943	2,8031e-002	-7,8126e-004
0,65887	-0,22488	2,9043e-002	-8,0348e-004
0,66933	-0,23036	3,0241e-002	-8,1573e-004
0,67979	-0,23591	3,1222e-002	-8,281e-004
0,69025	-0,24177	3,2182e-002	-8,4709e-004
0,70071	-0,24776	3,3185e-002	-8,7147e-004
0,71117	-0,2536	3,4408e-002	-8,9339e-004
0,72162	-0,25916	3,5119e-002	-9,1094e-004
0,73208	-0,26556	3,6191e-002	-9,2494e-004
0,74254	-0,27199	3,719e-002	-9,4541e-004
0,753	-0,28454	3,7202e-002	-9,8038e-004
0,76346	-0,31633	3,4899e-002	-1,0601e-003
0,77392	-0,34821	3,2125e-002	-1,15e-003
0,78438	-0,38003	3,087e-002	-1,2343e-003
0,79484	-0,41185	3,0915e-002	-1,3155e-003
0,80529	-0,44033	2,9917e-002	-1,3121e-003
0,81575	-0,4728	2,8998e-002	-1,4951e-003
0,82621	-0,50466	2,8536e-002	-1,557e-003
0,83667	-0,53658	2,9385e-002	-1,6432e-003
0,84713	-0,56844	2,9922e-002	-1,7171e-003
0,85759	-0,60015	3,0003e-002	-1,805e-003
0,86805	-0,63191	3,1134e-002	-1,9361e-003
0,8785	-0,66357	3,1117e-002	-1,9984e-003
0,88896	-0,69528	3,3211e-002	-2,0531e-003
0,89942	-0,72694	3,4383e-002	-2,1357e-003
0,90988	-0,75852	3,4676e-002	-2,238e-003
0,92033	-0,79011	3,5555e-002	-2,3366e-003
0,93079	-0,82168	3,6796e-002	-2,4162e-003
0,94124	-0,85318	3,7866e-002	-2,4922e-003
0,9517	-0,88463	3,8776e-002	-2,5766e-003
0,96216	-0,91604	3,9702e-002	-2,6723e-003
0,97261	-0,94745	4,0569e-002	-2,758e-003
0,98307	-0,97883	4,1858e-002	-2,8401e-003
0,99352	-1,0101	4,2524e-002	-2,9262e-003
1,	-1,0295	4,3146e-002	-2,9821e-003
1,0105	-1,0423	4,3614e-002	-3,0204e-003
1,0209	-1,0551	4,3572e-002	-3,0665e-003
1,0314	-1,0678	4,3504e-002	-3,1066e-003
1,0418	-1,0805	4,3877e-002	-3,1406e-003
1,0523	-1,0931	4,4044e-002	-3,1791e-003
1,0627	-1,1062	4,3958e-002	-3,2224e-003
1,0732	-1,1201	4,4102e-002	-3,268e-003
1,0836	-1,1343	4,4253e-002	-3,3107e-003

	-1,1485	4,4326e-002	-3,3512e-003
1,1045	-1,1626	4,4592e-002	-3,3869e-003
1,115	-1,1765	4,4682e-002	-3,435e-003
1,1255	-1,1906	4,45e-002	-3,4829e-003
1,1359	-1,2047	4,4536e-002	-3,5207e-003
1,1464	-1,2186	4,4811e-002	-3,5642e-003
1,1568	-1,2324	4,4662e-002	-3,6066e-003
1,1673	-1,2461	4,4572e-002	-3,6509e-003
1,1777	-1,2596	4,4669e-002	-3,6941e-003
1,1882	-1,2731	4,4834e-002	-3,7353e-003
1,1986	-1,2864	4,4616e-002	-3,777e-003
1,2091	-1,2995	4,4588e-002	-3,8177e-003
1,2195	-1,3126	4,4547e-002	-3,8585e-003
1,23	-1,3256	4,495e-002	-3,8953e-003
1,2404	-1,3383	4,4925e-002	-3,9356e-003
1,2509	-1,3509	4,4729e-002	-3,9762e-003
1,2613	-1,3633	4,4612e-002	-4,0177e-003
1,2718	-1,3755	4,4565e-002	-4,0562e-003
1,2823	-1,3876	4,4508e-002	-4,0916e-003
1,2927	-1,3996	4,4412e-002	-4,1317e-003
1,3032	-1,4113	4,4222e-002	-4,1717e-003
1,3136	-1,4229	4,415e-002	-4,2086e-003
1,3241	-1,4343	4,4024e-002	-4,2459e-003
1,3345	-1,4455	4,4267e-002	-4,2806e-003
1,345	-1,4565	4,4462e-002	-4,3165e-003
1,3554	-1,4674	4,4669e-002	-4,3528e-003
1,3659	-1,4778	4,5037e-002	-4,3819e-003
1,3763	-1,4891	4,5177e-002	-4,4224e-003
1,3868	-1,5003	4,5844e-002	-4,4748e-003
1,3972	-1,5108	4,6329e-002	-4,5235e-003
1,4077	-1,5217	4,695e-002	-4,5711e-003
1,4181	-1,5319	4,7297e-002	-4,6221e-003
1,4286	-1,5421	4,8022e-002	-4,6734e-003
1,439	-1,5467	5,116e-002	-4,7401e-003
1,4495	-1,5564	5,0501e-002	-4,7344e-003
1,4599	-1,5658	5,0536e-002	-4,816e-003
1,4704	-1,5743	5,2535e-002	-4,8191e-003
1,4808	-1,5831	5,2259e-002	-4,8405e-003
1,4913	-1,592	5,1901e-002	-4,9292e-003
1,5017	-1,601	5,1943e-002	-4,9646e-003
1,5122	-1,6091	5,4247e-002	-5,0059e-003
1,5226	-1,6176	5,6e-002	-5,0454e-003
1,5331	-1,6254	5,6211e-002	-5,0848e-003
1,5435	-1,6345	5,7773e-002	-5,1677e-003
1,554	-1,6415	5,8653e-002	-5,2035e-003
1,5644	-1,648	5,9846e-002	-5,2045e-003
1,5749	-1,6551	6,1136e-002	-5,2512e-003
1,5853	-1,6621	6,1857e-002	-5,3141e-003
1,5958	-1,6686	6,288e-002	-5,3569e-003
1,6062	-1,6754	6,4501e-002	-5,392e-003
1,6167	-1,6814	6,6681e-002	-5,4504e-003
1,6271	-1,6875	6,7072e-002	-5,4666e-003
1,6376	-1,6935	6,7779e-002	-5,507e-003
1,648	-1,6992	6,8675e-002	-5,5451e-003
1,6585	-1,7042	7,0652e-002	-5,5825e-003
1,669	-1,7091	7,1707e-002	-5,6303e-003
1,6794	-1,7145	7,266e-002	-5,6691e-003
1,6899	-1,7287	7,3742e-002	-5,6958e-003
1,7003	-1,7429	7,5138e-002	-5,7313e-003
1,7108	-1,7934	8,0027e-002	-5,8374e-003
1,7212	-1,8095	8,6887e-002	-5,6243e-003
1,7317	-1,8245	7,7662e-002	-5,8174e-003
1,7421	-1,836	7,7744e-002	-5,8194e-003
1,7526	-1,8488	7,0945e-002	-5,9184e-003
1,763	-1,8639	7,767e-002	-5,9491e-003
1,7735	-1,8791	7,8146e-002	-5,8832e-003
1,7839	-1,8911	7,6701e-002	-6,0119e-003
1,7944	-1,9048	7,8869e-002	-6,0657e-003
1,8048	-1,9185	8,1269e-002	-6,0493e-003
1,8153	-1,9318	8,0989e-002	-6,0479e-003
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1,8362	-1,9562	8,3624e-002	-6,1844e-003
1,8466	-1,9686	8,4763e-002	-6,2199e-003
1,8571	-1,9822	8,7395e-002	-6,2099e-003
1,8675	-1,9954	8,7538e-002	-6,2279e-003
1,878	-2,0079	8,6778e-002	-6,2746e-003
1,8885	-2,0204	8,78e-002	-6,3181e-003
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1,9094	-2,0453	9,0922e-002	-6,3827e-003
1,9198	-2,0569	9,125e-002	-6,4087e-003
1,9303	-2,0673	9,1358e-002	-6,4347e-003
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1,9616	-2,0975	9,3529e-002	-6,5091e-003
1,9721	-2,1069	9,4415e-002	-6,5476e-003
1,9825	-2,1157	9,4714e-002	-6,5665e-003
1,993	-2,1241	9,5163e-002	-6,5707e-003

	-2,1298	9,567e-002	-6,5926e-003
2,0105	-2,1537	9,7167e-002	-6,6182e-003
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2,0313	-2,5628	7,7681e-002	-4,5318e-003
2,0417	-2,5766	6,5559e-002	-4,2516e-003
2,0521	-2,5823	5,5547e-002	-5,0943e-003
2,0625	-2,5726	5,274e-002	-4,5401e-003
2,0729	-2,5752	4,4657e-002	-4,2436e-003
2,0833	-1,1554	5,7017e-002	-2,6532e-003
2,0937	-1,1682	7,0348e-002	-2,7796e-003
2,1041	-1,1851	5,4863e-002	-1,6709e-003
2,1145	-1,206	4,2869e-002	-3,1181e-003
2,1249	-1,2291	2,1557e-002	-3,4313e-003
2,1353	-1,2264	3,9054e-002	-2,9084e-003
2,1457	-1,2489	6,6985e-002	-2,6806e-003
2,1562	-1,2759	3,9024e-002	-2,5786e-003
2,1666	-1,2885	3,8574e-002	-3,3814e-003
2,177	-1,2931	4,5875e-002	-3,417e-003
2,1874	-1,3073	5,7513e-002	-2,8371e-003
2,1978	-1,3293	3,5455e-002	-2,7711e-003
2,2082	-1,2953	3,8537e-002	-3,1512e-003
2,2186	-1,2904	4,5358e-002	-3,0732e-003
2,229	-1,2991	5,0929e-002	-3,068e-003
2,2394	-1,2853	4,4418e-002	-2,6458e-003
2,2499	-1,3013	4,8128e-002	-3,0214e-003
2,2603	-1,3022	2,8454e-002	-3,3494e-003
2,2707	-1,2951	3,2996e-002	-2,9711e-003
2,2811	-1,2862	4,3647e-002	-2,7687e-003
2,2915	-1,2774	5,3625e-002	-2,8166e-003
2,3019	-1,2775	4,7705e-002	-2,9291e-003
2,3123	-1,2956	3,5246e-002	-3,1298e-003
2,3227	-1,2895	3,5309e-002	-2,8533e-003
2,3331	-1,2771	4,6983e-002	-2,7819e-003
2,3435	-1,2743	4,9108e-002	-2,9363e-003
2,3539	-1,2789	4,2402e-002	-3,0813e-003
2,3643	-1,2816	3,8112e-002	-3,2203e-003
2,3747	-1,2633	4,0336e-002	-3,0575e-003
2,3851	-1,2651	5,0571e-002	-2,8632e-003
2,3955	-1,2938	4,323e-002	-2,8842e-003
2,4059	-1,3224	3,9321e-002	-3,1027e-003
2,4163	-1,3508	4,632e-002	-3,204e-003
2,4267	-1,3806	4,7584e-002	-3,1688e-003
2,4371	-1,4106	4,2791e-002	-2,9201e-003
2,4475	-1,4386	4,6512e-002	-2,9293e-003
2,4579	-1,4699	5,7556e-002	-2,5887e-003
2,4684	-1,4964	3,6228e-002	-3,0508e-003
2,4788	-1,5247	3,5285e-002	-2,8796e-003
2,4892	-1,5552	4,7564e-002	-2,6393e-003
2,4996	-1,5826	5,2328e-002	-2,7095e-003
2,51	-1,6086	4,3243e-002	-2,7952e-003
2,5204	-1,6356	3,6456e-002	-3,0802e-003
2,5308	-1,6633	3,757e-002	-3,0561e-003
2,5412	-1,6924	4,5351e-002	-2,8842e-003
2,5516	-1,7196	4,8131e-002	-2,9287e-003
2,562	-1,7458	4,0252e-002	-3,0773e-003
2,5724	-1,7715	3,6939e-002	-3,1644e-003
2,5828	-1,7989	4,1309e-002	-3,1477e-003
2,5932	-1,8264	4,4336e-002	-3,0624e-003
2,6036	-1,8538	4,0918e-002	-3,0753e-003
2,614	-1,8795	4,0853e-002	-3,2434e-003
2,6244	-1,9052	4,2503e-002	-3,3493e-003
2,6348	-1,9316	3,9934e-002	-3,3014e-003
2,6452	-1,9584	3,8417e-002	-3,2154e-003
2,6556	-1,9499	4,2682e-002	-3,3065e-003
2,666	-1,973	4,34e-002	-3,4276e-003
2,6764	-1,9963	3,9394e-002	-3,4252e-003
2,6868	-2,019	3,9691e-002	-3,5733e-003
2,6972	-2,0418	3,9383e-002	-3,5498e-003
2,7076	-2,0641	3,9348e-002	-3,6036e-003
2,718	-2,0864	3,9278e-002	-3,6501e-003
2,7284	-2,1085	3,883e-002	-3,7105e-003
2,7388	-2,1306	3,9169e-002	-3,8178e-003
2,7492	-2,1525	3,9676e-002	-3,873e-003
2,7596	-2,2821	5,8179e-002	-3,4093e-003
2,77	-2,3096	5,3624e-002	-2,6733e-003
2,7804	-2,3326	3,6813e-002	-3,2323e-003
2,7908	-2,3548	2,2988e-002	-3,576e-003
2,8012	-2,3802	2,9894e-002	-3,127e-003
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2,822	-2,4262	3,8159e-002	-3,3438e-003
2,8324	-2,4471	3,8554e-002	-3,5958e-003
2,8428	-2,4707	2,6243e-002	-3,5748e-003
2,8532	-2,4933	3,6077e-002	-3,3734e-003
2,8636	-2,5255	3,0254e-002	-3,1152e-003
2,874	-2,5506	4,6626e-002	-3,2016e-003
2,8844	-2,5727	3,337e-002	-3,207e-003
2,8948	-2,5965	3,3935e-002	-3,3545e-003

	-2,617	2,888e-002	-3,446e-003
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2,926	-2,6636	2,4752e-002	-3,3307e-003
2,9364	-2,6873	3,3108e-002	-3,3346e-003
2,9468	-0,72636	0,22153	-1,4265e-003
2,9572	-0,74103	9,1756e-002	-6,263e-004
2,9676	-0,74998	5,6591e-002	-5,5199e-004
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2,9884	-0,77146	3,1002e-002	-2,4186e-003
2,9987	-0,79168	3,5795e-002	-6,4785e-004
3,	-0,81977	7,3636e-002	-3,4429e-005
3,0104	-0,85027	6,9908e-002	-3,3341e-004
3,0208	-0,87166	2,1374e-002	-1,1652e-003
3,0312	-0,8917	2,1505e-002	-2,229e-003
3,0416	-0,93023	2,0832e-002	-2,0769e-003
3,052	-0,97784	6,0188e-002	-8,0624e-004
3,0624	-1,0185	4,3858e-002	-7,3504e-004
3,0728	-1,0343	2,2806e-002	-1,6897e-003
3,0832	-1,0609	1,7571e-002	-2,393e-003
3,0936	-1,0939	1,5653e-002	-2,1137e-003
3,104	-1,1393	2,9077e-002	-1,2484e-003
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3,1249	-1,1834	2,1404e-002	-1,9137e-003
3,1353	-1,2092	1,2646e-002	-2,4052e-003
3,1457	-1,2459	2,6749e-002	-2,1475e-003
3,1561	-0,84153	5,604e-002	-8,8523e-004
3,1665	-0,85268	2,9984e-002	-1,1956e-003
3,1769	-0,86362	2,8112e-002	-1,6694e-003
3,1873	-0,87411	2,9281e-002	-1,6605e-003
3,1977	-0,88479	2,9831e-002	-1,5811e-003
3,2081	-0,89517	3,9005e-002	-1,5908e-003
3,2185	-0,9054	2,3731e-002	-2,0745e-003
3,2289	-0,91589	2,1732e-002	-1,969e-003
3,2393	-0,92485	2,4486e-002	-1,7237e-003
3,2497	-0,93426	3,3124e-002	-1,7347e-003
3,2601	-0,94574	2,8899e-002	-2,116e-003
3,2705	-0,95525	1,5067e-002	-2,4202e-003
3,2809	-0,96197	1,8996e-002	-2,2521e-003
3,2913	-0,97215	3,1872e-002	-2,0044e-003
3,3017	-0,98145	2,5764e-002	-2,174e-003
3,3121	-0,9896	1,8319e-002	-2,507e-003
3,3225	-0,99851	1,7738e-002	-2,615e-003
3,3329	-1,0074	2,5541e-002	-2,5057e-003
3,3433	-1,0158	3,1051e-002	-2,5533e-003
3,3536	-1,0239	2,1469e-002	-2,6817e-003
3,364	-1,0324	2,1567e-002	-2,7237e-003
3,3744	-1,0401	2,4332e-002	-2,658e-003
3,3848	-1,0479	2,7293e-002	-2,8055e-003
3,3952	-1,0544	2,4272e-002	-3,0889e-003
3,4056	-1,0637	2,0108e-002	-3,1678e-003
3,4159	-1,068	7,786e-002	-1,869e-003
3,4263	-1,0744	4,5716e-002	-1,9817e-003
3,4367	-1,082	2,5377e-002	-2,5867e-003
3,4471	-1,0889	4,0931e-002	-2,6344e-003
3,4575	-1,0951	2,5763e-002	-2,5186e-003
3,4679	-1,1018	3,8714e-002	-2,3305e-003
3,4783	-1,1166	2,665e-002	-2,7089e-003
3,4887	-1,1295	2,3057e-002	-3,0282e-003
3,4991	-1,1625	2,5227e-002	-2,6865e-003
3,5095	-1,2002	3,1404e-002	-2,3791e-003
3,5199	-1,2329	4,2833e-002	-2,3359e-003
3,5303	-1,2596	2,734e-002	-2,7512e-003
3,5406	-1,1494	2,9925e-002	-2,6951e-003
3,551	-1,1555	4,0602e-002	-2,3338e-003
3,5614	-1,1612	4,1634e-002	-2,0065e-003
3,5718	-1,1667	4,2111e-002	-2,3079e-003
3,5822	-1,1722	4,3088e-002	-2,5842e-003
3,5926	-1,1774	4,2349e-002	-2,6571e-003
3,603	-1,1827	3,9065e-002	-2,6779e-003
3,6134	-1,1877	4,0733e-002	-2,5828e-003
3,6237	-1,1923	3,9561e-002	-2,793e-003
3,6341	-1,197	3,8116e-002	-2,6308e-003
3,6445	-1,2017	4,0156e-002	-2,5524e-003
3,6549	-1,2063	3,8957e-002	-2,8548e-003
3,6653	-1,211	3,8033e-002	-3,1149e-003
3,6756	-1,2157		-3,0382e-003
3,686	-1,2205	3,8151e-002	-2,8712e-003
3,6964	-1,2252	3,8061e-002	-2,8982e-003
3,7068	-1,2294	3,7479e-002	-3,1305e-003
3,7171	-1,2337	3,7906e-002	-3,2058e-003
3,7275	-1,2378	3,8656e-002	-3,1255e-003
3,7379	-1,2416	3,778e-002	-3,1974e-003
3,7482	-1,2452	3,6343e-002	-3,2901e-003
3,7586	-1,2486	3,561e-002	-3,285e-003
3,769	-1,2519	3,573e-002	-3,2212e-003
3,7793	-1,2528	3,8043e-002	-3,0762e-003
3,7897	-1,2556	3,8665e-002	-2,805e-003

3,8001	-1,2581	3,6045e-002	-2,6659e-003
3,8105	-1,2607	3,4513e-002	-3,378e-003
3,8209	-1,2628	3,0284e-002	-3,604e-003
3,8313	-1,2651	3,2043e-002	-3,4688e-003
3,8416	-1,267	3,2729e-002	-3,1744e-003
3,852	-1,2755	4,974e-002	-3,0345e-003
3,8624	-1,2762	4,4729e-002	-3,4698e-003
3,8728	-1,278	3,9091e-002	-3,6096e-003
3,8831	-1,2813	4,3018e-002	-3,3916e-003
3,8935	-1,2825	3,5435e-002	-3,0963e-003
3,9039	-1,2857	4,049e-002	-3,1388e-003
3,9143	-1,2864	3,1751e-002	-3,5687e-003
3,9246	-1,289	3,5183e-002	-3,8205e-003
3,935	-1,2906	3,3086e-002	-3,7419e-003
3,9454	-1,292	3,5324e-002	-3,4006e-003
3,9558	-1,2936	3,0841e-002	-3,3904e-003
3,9661	-1,2944	3,228e-002	-3,6945e-003
3,9765	-1,2959	2,7987e-002	-3,9692e-003
3,9869	-1,2968	2,8726e-002	-3,9138e-003
3,9973	-1,2979	2,9256e-002	-3,6237e-003
4,	-1,2984	2,9409e-002	-3,6051e-003
4,0104	-1,2998	3,1896e-002	-3,8775e-003
4,0207	-1,2997	2,8578e-002	-4,011e-003
4,0311	-1,2998	3,4249e-002	-3,9271e-003
4,0415	-1,2997	3,3734e-002	-3,8522e-003
4,0518	-1,3013	3,312e-002	-4,0401e-003
4,0622	-1,3015	3,3841e-002	-4,2066e-003
4,0726	-1,3007	3,3504e-002	-4,2554e-003
4,0829	-1,3002	3,3624e-002	-4,31e-003
4,0933	-1,3001	3,4416e-002	-4,4271e-003
4,1036	-1,3007	3,7519e-002	-4,5783e-003
4,1139	-1,2915	4,265e-002	-4,6613e-003
4,1242	-1,2922	4,5225e-002	-4,6022e-003
4,1346	-1,2903	4,5168e-002	-4,6993e-003
4,1447	-1,2888	4,8703e-002	-4,9143e-003
4,1551	-1,2906	4,9358e-002	-4,9832e-003
4,1654	-1,2894	5,2655e-002	-4,9634e-003
4,1758	-1,29	5,4657e-002	-4,968e-003
4,186	-1,2889	5,4841e-002	-5,0656e-003
4,1962	-1,2886	5,6693e-002	-5,115e-003
4,2065	-1,29	5,8996e-002	-5,2549e-003
4,2168	-1,2972	6,298e-002	-5,1527e-003
4,2272	-1,3078	6,358e-002	-5,4292e-003
4,2375	-1,3215	6,6348e-002	-5,5539e-003
4,2479	-1,3426	6,6323e-002	-5,6233e-003
4,2582	-1,3628	6,6018e-002	-5,6498e-003
4,2681	-1,5322	0,16207	-1,8846e-003
4,2785	-1,4778	9,2799e-002	-2,5938e-003
4,2888	-1,4916	0,12345	-2,6452e-003
4,2991	-1,4874	0,11656	-4,2767e-003
4,3094	-1,4876	0,1444	-2,7177e-003
4,3198	-1,4855	0,15351	-1,944e-003
4,3301	-1,4841	0,12691	-2,9977e-003
4,3405	-1,4874	0,15357	-3,6676e-003
4,3508	-1,4865	0,13013	-4,062e-003
4,3612	-1,4898	0,14778	-2,9445e-003
4,3715	-1,4895	0,1409	-3,0609e-003
4,3819	-1,4883	0,13722	-3,6866e-003
4,3922	-1,4911	0,14263	-3,6503e-003
4,4026	-1,4952	0,14917	-3,5976e-003
4,4129	-1,4945	0,14928	-4,1074e-003
4,4233	-1,5423	0,14227	-4,1181e-003
4,4336	-1,5462	0,15358	-3,7134e-003
4,444	-1,5516	0,16227	-3,4635e-003
4,4543	-1,5569	0,1656	-3,8023e-003
4,4647	-1,554	0,15493	-4,3927e-003
4,475	-1,553	0,15582	-4,1796e-003
4,4853	-1,5554	0,16301	-3,6854e-003
4,4957	-1,5512	0,16293	-3,6058e-003
4,506	-1,5422	0,15979	-3,8549e-003
4,5164	-1,5346	0,16143	-3,9384e-003
4,5267	-1,5298	0,16736	-3,9223e-003
4,537	-1,5248	0,17112	-3,9292e-003
4,5474	-1,509	0,16296	-3,9789e-003
4,5577	-1,5049	0,16703	-3,8631e-003
4,568	-1,5011	0,16968	-3,6749e-003
4,5784	-1,4396	0,11245	-3,8071e-003
4,5887	-1,4437	0,17334	-3,4515e-003
4,5991	-1,4402	0,18142	-2,4088e-003
4,6095	-1,4286	0,17241	-3,7481e-003
4,6198	-1,43	0,17541	-3,5489e-003
4,6302	-1,4238	0,17275	-3,7437e-003
4,6405	-1,4158	0,18152	-3,7214e-003
4,6509	-1,5667	0,24846	-2,858e-003
4,6613	-1,6066	0,10549	-3,6265e-003
4,6716	-1,6263	0,11311	-4,1142e-003
4,682	-1,6304	9,5084e-002	-4,0185e-003



	-1,6283	8,1672e-002	-3,5977e-003
4,7027	-1,6059	7,6563e-002	-2,5896e-003
4,713	-1,6374	7,8592e-002	-4,0703e-003
4,7234	-1,3998	6,8e-002	-3,2109e-003
4,7337	-1,4079	7,6302e-002	-3,2232e-003
4,744	-1,3701	6,9402e-002	-2,7994e-003
4,7544	-1,3666	6,5721e-002	-2,0649e-003
4,7647	-1,387	8,2136e-002	-3,9029e-003
4,7751	-1,396	6,6736e-002	-3,5508e-003
4,7854	-1,3799	6,3652e-002	-3,2944e-003
4,7958	-1,3831	6,2763e-002	-3,2867e-003
4,8061	-1,3914	6,2875e-002	-3,8709e-003
4,8165	-1,3734	6,3298e-002	-3,524e-003
4,8268	-1,3829	6,8839e-002	-3,1261e-003
4,8372	-1,3669	6,0794e-002	-3,5914e-003
4,8475	-1,4057	6,212e-002	-4,3569e-003
4,8579	-1,4293	6,0193e-002	-4,2429e-003
4,8682	-1,4042	7,0474e-002	-3,6324e-003
4,8785	-1,3942	7,5919e-002	-3,4933e-003
4,8889	-1,3914	7,1592e-002	-4,1211e-003
4,8992	-1,4182	7,0528e-002	-4,4428e-003
4,9096	-1,4432	8,268e-002	-3,8985e-003
4,9199	-1,4327	0,10997	-3,8668e-003
4,9302	-1,4328	0,11543	-3,8638e-003
4,9406	-1,4053	0,11319	-2,5618e-003
4,9509	-1,1525	0,26508	-3,7278e-003
4,9612	-1,1794	0,25116	-2,4019e-003
4,9716	-1,2074	0,27999	-2,9882e-003
4,9819	-1,2344	0,25435	-2,5696e-003
4,9923	-1,257	0,24486	-3,0516e-003
5,	-1,2768	0,24371	-2,6892e-003
5,0104	-1,3059	0,2353	-3,1946e-003
5,0207	-1,3288	0,24597	-3,1775e-003
5,031	-1,3513	0,25056	-3,1191e-003
5,0414	-1,3796	0,23227	-3,2506e-003
5,0517	-1,4073	0,22171	-3,3997e-003
5,0621	-1,4265	0,22788	-3,2588e-003
5,0724	-1,4464	0,23482	-3,3861e-003
5,0828	-1,4728	0,22201	-3,5827e-003
5,0931	-1,4338	0,27753	-2,7133e-003
5,1034	-1,4527	0,28619	-3,1134e-003
5,1138	-1,4686	0,27715	-2,8568e-003
5,1241	-1,4762	0,27504	-2,8975e-003
5,1344	-1,4869	0,27755	-3,1921e-003
5,1448	-1,4868	0,26811	-3,1411e-003
5,1551	-1,4986	0,27032	-3,2092e-003
5,1655	-1,5042	0,26528	-3,0164e-003
5,1758	-1,5072	0,25534	-3,2358e-003
5,1861	-1,5118	0,24913	-3,2763e-003
5,1965	-1,5179	0,24728	-3,2841e-003
5,2068	-1,5222	0,24524	-3,2925e-003
5,2171	-1,5265	0,2426	-3,2839e-003
5,2275	-1,5263	0,23195	-3,3777e-003
5,2378	-1,5289	0,22886	-3,4543e-003
5,2481	-1,5344	0,23144	-3,4025e-003
5,2584	-1,5365	0,23011	-3,3475e-003
5,2688	-1,5386	0,22793	-3,3459e-003
5,2791	-1,537	0,2219	-3,3659e-003
5,2894	-1,5337	0,21802	-3,4253e-003
5,2997	-1,5261	0,21907	-3,426e-003
5,3101	-1,5182	0,2238	-3,3104e-003
5,3204	-1,4956	0,25889	-2,7705e-003
5,3308	-1,4946	0,26325	-2,589e-003
5,3411	-1,4854	0,23003	-1,2217e-003
5,3515	-1,4736	0,24053	-2,9435e-003
5,3618	-1,4693	0,26201	-3,8027e-003
5,3722	-1,4584	0,23346	-3,1365e-003
5,3825	-1,4349	0,24431	-2,6707e-003
5,3929	-1,4681	0,37038	-2,1577e-003
5,4033	-1,5221	0,40093	-3,2532e-003
5,4136	-1,5116	0,40025	-3,5948e-003
5,4239	-1,5044	0,41207	-2,6628e-003
5,4343	-1,4962	0,4121	-2,2541e-003
5,4447	-1,4857	0,41523	-2,6939e-003
5,455	-1,4763	0,4208	-3,2354e-003
5,4653	-1,4481	0,32072	-3,1824e-003
5,4757	-1,4373	0,33558	-2,6174e-003
5,486	-1,4253	0,32658	-2,5201e-003
5,4964	-1,4129	0,33501	-3,1743e-003
5,5067	-1,4055	0,33671	-3,2359e-003
5,517	-1,3943	0,33487	-2,9995e-003
5,5274	-1,3902	0,33474	-3,8119e-003
5,5377	-1,3711	0,33991	-3,6562e-003
5,548	-1,3629	0,3358	-3,585e-003
5,5583	-1,3497	0,33455	-3,6316e-003
5,5687	-1,3374	0,3289	-3,7658e-003
5,579	-1,3277	0,32769	-4,1729e-003

	-1,3168	0,33262	-4,3192e-003
5,5996	-1,3054	0,33107	-4,4112e-003
5,6099	-1,2915	0,32944	-4,3785e-003
5,6203	-1,2765	0,31886	-4,3256e-003
5,6306	-1,2636	0,31786	-4,3139e-003
5,6409	-1,2782	0,44631	-4,2426e-003
5,6512	-1,2983	0,45009	-4,2378e-003
5,6615	-1,3147	0,44634	-4,1483e-003
5,6718	-1,3368	0,44595	-4,0212e-003
5,6822	-1,3662	0,44887	-4,1422e-003
5,6925	-1,3807	0,45421	-4,1632e-003
5,7028	-1,3832	0,4639	-3,9964e-003
5,7131	-1,395	0,46399	-3,8587e-003
5,7234	-1,2429	0,58611	-1,0267e-003
5,7337	-1,2242	0,54646	-7,2171e-004
5,7441	-1,2093	0,55412	-2,0514e-003
5,7544	-1,189	0,54899	-1,8583e-003
5,7647	-1,1766	0,54595	-1,3545e-003
5,7751	-1,1666	0,57224	-1,0311e-003
5,7854	-1,1505	0,54165	-9,8947e-004
5,7957	-1,1323	0,54192	-1,4987e-003
5,8061	-1,1164	0,5369	-9,1254e-004
5,8164	-1,1186	0,53982	-7,0348e-004
5,8268	-1,0983	0,53713	-1,0316e-003
5,8371	-1,0965	0,53738	-9,0674e-004
5,8474	-1,0885	0,55173	-6,6163e-004
5,8577	-1,0796	0,57489	-2,6571e-004
5,8681	-1,0762	0,59316	-3,0997e-004
5,8784	-1,0654	0,64077	-3,2532e-004
5,8887	-1,1562	1,5024	-1,0922e-003
5,899	-1,2955	1,6295	-1,7033e-003
5,9093	-1,2861	1,5841	-1,3738e-003
5,9197	-1,2656	1,5939	-1,2946e-003
5,93	-1,2715	1,6143	-1,2855e-003
5,9401	-1,1602	1,8175	-1,9772e-003
5,9504	-1,2438	0,98374	1,3862e-004
5,9607	-1,2399	1,039	6,6323e-005
5,9711	-1,2372	1,0314	1,4878e-003
5,9814	-1,238	1,0379	-6,2794e-004
5,9917	-1,2098	0,97569	-1,0534e-003
6,	-1,2225	0,95853	-1,9675e-004
6,0103	-1,2111	0,96445	7,7728e-004
6,0207	-1,2159	0,98341	3,042e-004
6,031	-1,228	1,0007	1,3532e-004
6,0414	-1,2165	1,0199	1,1686e-004
6,0517	-1,2121	1,0128	2,8952e-004
6,062	-1,2197	1,0237	3,1377e-004
6,0724	-1,2286	1,0204	5,8209e-005
6,0827	-1,2388	1,061	-4,7816e-005
6,093	-1,2288	1,0454	1,942e-004
6,1034	-1,232	1,0684	2,3764e-004
6,1137	-1,2333	1,0713	-1,6921e-004
6,124	-1,2423	1,0826	-3,7469e-005
6,1344	-1,2371	1,0865	4,1457e-004
6,1447	-1,2435	1,0863	3,2128e-004
6,155	-1,245	1,0743	-2,7704e-004
6,1653	-1,2487	1,091	-6,3457e-005
6,1757	-1,2479	1,0982	5,3129e-004
6,186	-1,2527	1,1088	4,6708e-004
6,1963	-1,2588	1,1346	9,3917e-006
6,2067	-1,2583	1,1599	-1,8643e-004
6,217	-1,2632	1,1872	2,9491e-004
6,2273	-1,2631	1,2153	5,9593e-004
6,2376	-1,2719	1,2421	2,373e-004
6,248	-1,275	1,2674	1,298e-004
6,2583	-1,2756	1,2936	3,1907e-004
6,2686	-1,2833	1,3213	4,4722e-004
6,2789	-1,2929	1,3497	3,6294e-004
6,2892	-1,3151	1,3758	4,6693e-004
6,2996	-1,3078	1,4006	9,1848e-004
6,3099	-1,3183	1,4286	5,2625e-004
6,3202	-1,3252	1,4549	7,1224e-004
6,3305	-1,3242	1,4807	9,602e-004
6,3409	-1,3289	1,5058	6,0525e-004
6,3512	-1,3327	1,5306	4,5193e-004
6,3615	-1,3335	1,5532	7,7089e-004
6,3719	-1,3382	1,5755	9,4351e-004
6,3822	-1,3435	1,6021	7,3088e-004
6,3925	-1,3401	1,6279	6,0849e-004
6,4028	-1,1546	1,1716	1,4842e-003
6,4132	-1,2113	1,1912	1,4963e-003
6,4235	-1,2112	1,2354	9,152e-004
6,4338	-1,2529	1,2664	1,0856e-003
6,4441	-1,2787	1,2886	1,2566e-003
6,4545	-1,3072	1,3273	1,1393e-003
6,4648	-1,3172	1,3584	1,1023e-003
6,4751	-1,3381	1,3864	1,4431e-003

	-1,3853	1,421	1,5942e-003
6,4957	-1,407	1,4567	1,1686e-003
6,5061	-1,4242	1,4869	1,3301e-003
6,5164	-1,4443	1,5157	1,6584e-003
6,5267	-1,4613	1,5503	1,5288e-003
6,537	-1,4717	1,5854	1,4089e-003
6,5473	-1,4845	1,6154	1,6622e-003
6,5576	-1,5018	1,6466	1,7408e-003
6,568	-1,5152	1,6801	1,5505e-003
6,5783	-1,5267	1,7128	1,6348e-003
6,5886	-1,5411	1,7452	1,8446e-003
6,5989	-1,5496	1,7754	1,7071e-003
6,6092	-1,564	1,8071	1,6799e-003
6,6195	-1,5806	1,7944	1,5666e-003
6,6298	-1,5952	1,8232	1,5937e-003
6,6401	-1,6031	1,8507	1,8525e-003
6,6504	-1,6079	1,8829	1,8345e-003
6,6607	-1,6221	1,9194	1,9097e-003
6,671	-1,6321	1,9573	1,8501e-003
6,6813	-1,6527	1,986	1,6636e-003
6,6916	-1,6736	2,0175	1,8569e-003
6,7019	-1,6907	2,0518	1,8091e-003
6,7121	-1,713	2,0865	1,7748e-003
6,7224	-1,7319	2,1213	1,8541e-003
6,7327	-1,7458	2,1544	1,9624e-003
6,743	-1,766	2,1886	1,947e-003
6,7533	-1,7689	2,2238	1,9687e-003
6,7636	-1,7945	2,2578	2,0639e-003
6,7738	-1,8133	2,2909	2,0426e-003
6,7841	-1,8359	2,3247	2,0859e-003
6,7944	-1,7689	2,3615	2,4707e-003
6,8047	-1,7882	2,3939	2,6517e-003
6,815	-1,8074	2,4255	2,6972e-003
6,8253	-1,8218	2,4049	1,7134e-003
6,8356	-1,8405	2,4323	2,1835e-003
6,8459	-1,8562	2,4742	2,1979e-003
6,8562	-1,8753	2,505	1,7939e-003
6,8664	-0,68877	2,5421	9,2009e-003
6,8768	-0,65878	2,5679	1,029e-002
6,8872	-0,69587	2,6124	6,841e-003
6,8975	-0,66558	2,6476	6,7082e-003
6,9079	-0,72252	2,6797	8,4095e-003
6,9182	-0,71167	2,7053	8,5976e-003
6,9286	-0,70367	2,745	9,5251e-003
6,939	-0,73333	2,7872	8,8485e-003
6,9493	-0,74962	2,8225	9,0414e-003
6,9597	-0,74291	2,8537	9,0748e-003
6,9701	-0,77545	2,8724	8,5497e-003
6,9805	-0,80207	2,8969	8,8736e-003
6,9908	-0,81464	2,9509	8,8427e-003
7,	-0,82616	2,9777	9,0963e-003
7,0104	-0,84863	3,0151	9,3129e-003
7,0207	-0,86312	3,0385	9,0797e-003
7,0311	-0,87757	3,0787	8,7761e-003
7,0415	-0,89087	3,1145	9,0937e-003
7,0518	-0,90951	3,1525	9,3405e-003
7,0622	-0,92429	3,1795	9,2258e-003
7,0726	-0,93506	3,2166	9,2134e-003
7,0829	-0,94964	3,2516	9,3278e-003
7,0933	-0,96466	3,2829	9,2878e-003
7,1036	-0,97703	3,3196	9,3248e-003
7,114	-0,98956	3,3488	9,2985e-003
7,1244	-1,0033	3,3911	9,4639e-003
7,1347	-1,0153	3,4178	9,3708e-003
7,1451	-1,0283	3,4475	9,3171e-003
7,1554	-1,0204	3,4823	9,4043e-003
7,1658	-1,0478	3,5178	9,5042e-003
7,1761	-1,0644	3,5536	9,4611e-003
7,1865	-1,0758	3,5926	9,5608e-003
7,1968	-1,083	3,6289	9,7237e-003
7,2072	-1,0979	3,6642	9,7648e-003
7,2175	-1,1086	3,6445	9,6784e-003
7,2278	-1,1158	3,6688	9,648e-003
7,2382	-1,1918	3,7029	9,6727e-003
7,2485	-1,2056	3,7359	9,5528e-003
7,2589	-1,2123	3,6717	9,6578e-003
7,2692	-1,2443	3,7082	9,7094e-003
7,2795	-1,2615	3,7426	9,8421e-003
7,2899	-1,2737	3,7818	9,7184e-003
7,3002	-1,2739	3,8193	1,0031e-002
7,3106	-1,3001	3,8481	1,0049e-002
7,3209	-1,3176	3,8845	9,9264e-003
7,3312	-1,3207	3,923	1,0271e-002
7,3416	-1,3094	3,9589	1,0652e-002
7,3519	-0,68333	3,9911	1,5843e-002
7,3623	-0,6373	3,9976	1,4836e-002
7,3727	-0,6491	4,0356	1,3799e-002

	-0,6421	3,9788	1,3526e-002
7,3934	-0,6777	3,9944	1,5888e-002
7,4038	-0,70236	4,0528	1,3861e-002
7,4142	-0,69494	4,0737	1,4267e-002
7,4246	-0,72523	4,1076	1,5012e-002
7,435	-0,74981	4,1805	1,4601e-002
7,4454	-0,77112	4,0948	1,2307e-002
7,4558	-0,79704	4,1365	1,2797e-002
7,4661	-0,79854	4,1699	1,258e-002
7,4765	-0,82647	4,1654	1,269e-002
7,4869	-0,8516	4,2201	1,3004e-002
7,4972	-0,87216	4,2561	1,3019e-002
7,5076	-0,88684	4,2922	1,2841e-002
7,518	-0,90405	4,3391	1,3042e-002
7,5284	-0,92062	4,3788	1,3258e-002
7,5387	-0,94572	4,41	1,3293e-002
7,5491	-0,95957	4,4508	1,3057e-002
7,5595	-0,98119	4,4812	1,3165e-002
7,5699	-0,98348	4,4504	1,3053e-002
7,5802	-1,0026	4,4873	1,3186e-002
7,5906	-1,0189	4,5295	1,3305e-002
7,601	-1,0314	4,5711	1,3135e-002
7,6113	-1,0521	4,6082	1,3448e-002
7,6217	-1,0598	4,6491	1,358e-002
7,6321	-1,0766	4,683	1,3591e-002
7,6424	-1,0859	4,7064	1,3578e-002
7,6528	-1,096	4,7446	1,3589e-002
7,6632	-1,1036	4,7816	1,3655e-002
7,6735	-1,1076	4,5466	1,3394e-002
7,6839	-1,4328	4,5843	1,3517e-002
7,6942	-1,4354	4,6249	1,2924e-002
7,7046	-1,466	4,6631	1,2989e-002
7,7149	-1,4801	4,7027	1,3566e-002
7,7253	-1,4972	4,7403	1,3239e-002
7,7356	-1,5306	4,7832	1,329e-002
7,746	-1,5443	4,8221	1,3344e-002
7,7563	-1,5563	4,8619	1,332e-002
7,7667	-1,5898	4,9009	1,3434e-002
7,777	-1,6141	4,9411	1,3616e-002
7,7873	-1,6386	4,9821	1,3482e-002
7,7977	-1,6582	5,0152	1,3303e-002
7,808	-1,6812	5,0591	1,3471e-002
7,8184	-1,7083	5,1006	1,336e-002
7,8287	-1,7211	5,1463	1,3449e-002
7,839	-1,7365	5,1831	1,3593e-002
7,8494	-1,7422	5,2274	1,3571e-002
7,8597	-1,705	5,2652	1,3746e-002
7,8701	-1,2775	5,318	1,5395e-002
7,8804	-1,0868	5,3385	1,5258e-002
7,8908	-1,1112	5,3905	1,5242e-002
7,9012	-1,1274	5,2733	1,3965e-002
7,9115	-1,1509	5,2957	1,3067e-002
7,9215	-1,369	1,1282	-7,9325e-003
7,9316	-1,347	1,2065	-1,4232e-003
7,9418	-1,2489	1,29	2,6665e-003
7,952	-1,3771	1,3126	-3,6523e-004
7,9621	-1,3237	1,2891	2,8715e-003
7,9723	-1,3137	1,3198	-1,2189e-003
7,9825	-1,3421	1,3418	-2,5983e-003
7,9926	-1,3664	1,3508	-2,9998e-003
8,	-1,3929	1,3701	-3,4508e-003
8,0101	-1,338	1,4248	-3,6071e-003
8,0203	-1,3746	1,4042	-2,1561e-003
8,0305	-1,3301	1,4452	1,2374e-003
8,0407	-1,378	1,497	3,0882e-004
8,0508	-1,3817	1,4741	-7,2441e-004
8,061	-1,3683	1,5359	-5,2427e-004
8,0712	-1,3611	1,573	-2,0576e-003
8,0813	-1,3417	1,6023	-4,9803e-004
8,0915	-0,86933	1,6265	2,1403e-003
8,1017	-0,84087	1,6337	4,984e-003
8,112	-0,79741	1,687	3,6593e-003
8,1222	-0,79687	1,7245	3,3574e-003
8,1324	-0,79088	1,7538	4,1047e-003
8,1426	-0,77954	1,7847	4,0452e-003
8,1529	-0,78385	1,8121	3,2057e-003
8,1631	-0,78477	1,8442	2,6279e-003
8,1733	-0,77497	1,8813	3,7452e-003
8,1836	-0,76695	1,9002	4,2343e-003
8,1938	-0,7653	1,9289	3,3102e-003
8,2041	-0,76313	1,9652	3,247e-003
8,2143	-0,76124	1,9946	3,3956e-003
8,2245	-0,76243	2,0208	3,7899e-003
8,2348	-0,76755	2,0597	3,3211e-003
8,245	-0,77024	2,1161	3,336e-003
8,2552	-0,77758	2,1384	3,6162e-003
8,2654	-0,78215	2,1707	3,4473e-003

	-0,78846	2,2232	3,7897e-003
8,2859	-0,79165	2,2649	3,5108e-003
8,2961	-0,79596	2,295	3,5125e-003
8,3064	-0,80482	2,3281	3,8932e-003
8,3166	-0,80787	2,3599	4,0379e-003
8,3268	-0,81017	2,3921	3,5983e-003
8,337	-0,81587	2,4209	3,8759e-003
8,3473	-0,82104	2,4544	3,9897e-003
8,3575	-0,8248	2,4892	3,7731e-003
8,3677	-0,825	2,5241	3,8231e-003
8,3779	-0,83398	2,5598	3,8706e-003
8,3881	-0,84062	2,5951	3,9927e-003
8,3984	-0,8412	2,6302	3,7839e-003
8,4086	-0,84155	2,6659	3,9392e-003
8,4188	-0,84683	2,702	4,1753e-003
8,429	-0,85063	2,7353	4,0666e-003
8,4392	-0,85388	2,771	4,0654e-003
8,4494	-0,85894	2,807	4,1838e-003
8,4597	-0,86116	2,8413	4,2988e-003
8,4699	-0,86305	2,8761	4,3e-003
8,4801	-0,86136	2,9113	4,4705e-003
8,4903	-0,70304	2,9472	6,3446e-003
8,5006	-0,67011	2,9807	7,2361e-003
8,5108	-0,69307	3,0209	8,2597e-003
8,5211	-0,68383	3,0411	7,9892e-003
8,5314	-0,69629	3,0833	8,8818e-003
8,5417	-0,70152	3,1147	8,3824e-003
8,552	-0,71423	3,1612	8,3339e-003
8,5622	-0,72408	3,1981	8,3469e-003
8,5725	-0,722	3,2198	7,8083e-003
8,5828	-0,73059	3,2561	8,352e-003
8,5931	-0,73618	3,2928	9,0519e-003
8,6033	-0,73789	3,3288	8,2955e-003
8,6136	-0,74937	3,3688	7,8677e-003
8,6239	-0,75003	3,4016	8,1323e-003
8,6342	-0,7368	3,4304	8,6376e-003
8,6445	-0,75177	3,472	8,8927e-003
8,6547	-0,75608	3,5088	8,801e-003
8,665	-0,76579	3,5472	8,7867e-003
8,6753	-0,76986	3,5869	8,615e-003
8,6856	-0,76448	3,624	8,5928e-003
8,6959	-0,76502	3,6627	8,8329e-003
8,7062	-0,7961	3,6978	9,4557e-003
8,7165	-0,82832	3,7349	9,3589e-003
8,7267	-0,83483	3,7758	9,1335e-003
8,737	-0,83092	3,8133	8,9285e-003
8,7473	-0,8462	3,8521	9,0116e-003
8,7576	-0,87986	3,8883	9,301e-003
8,7679	-0,91123	3,5612	8,7499e-003
8,7782	-0,92288	3,6105	9,0326e-003
8,7884	-0,9198	3,6453	9,1222e-003
8,7987	-0,92413	3,6838	9,2172e-003
8,809	-0,95498	3,7251	9,0376e-003
8,8193	-0,98985	3,7583	8,7494e-003
8,8296	-1,0041	3,7986	9,1726e-003
8,8398	-0,99573	3,8376	9,3465e-003
8,8501	-0,9905	3,8754	9,5558e-003
8,8604	-1,0049	3,914	9,5538e-003
8,8707	-1,0367	3,9534	9,6372e-003
8,881	-1,0603	3,9936	9,732e-003
8,8913	-1,0612	4,0334	9,6687e-003
8,9016	-1,0598	4,0724	9,6664e-003
8,9118	-1,0546	4,1122	1,0191e-002
8,9221	-1,0782	4,1518	1,03e-002
8,9324	-1,1047	4,1869	1,0337e-002
8,9427	-1,1192	4,2274	1,0346e-002
8,953	-1,139	4,2668	1,043e-002
8,9633	-1,1578	4,3162	1,049e-002
8,9736	-1,1799	4,3502	1,0519e-002
8,9839	-1,2048	4,3908	1,0806e-002
8,9942	-1,228	4,4237	1,1166e-002
9,	-1,2383	4,4473	1,1058e-002
9,0103	-1,2592	4,4872	1,1278e-002
9,0206	-1,2783	4,5269	1,1421e-002
9,0309	-1,2898	4,5566	1,1897e-002
9,0412	-1,3243	4,6013	1,2448e-002
9,0515	-1,3359	4,6429	1,2405e-002
9,0618	-1,2251	4,6881	1,2942e-002
9,0722	-1,2476	4,7166	1,2954e-002
9,0825	-1,2624	4,7562	1,3189e-002
9,0928	-1,2742	4,7968	1,2947e-002
9,1031	-1,2862	4,8365	1,3204e-002
9,1135	-1,3032	4,8766	1,3275e-002
9,1238	-1,3209	4,9161	1,3446e-002
9,1341	-1,3372	4,9562	1,3447e-002
9,1444	-1,3491	4,9966	1,3657e-002
9,1548	-0,81697	5,035	1,6045e-002

	-0,77131	5,0739	1,5705e-002
9,1754	-0,78066	5,1164	1,64e-002
9,1858	-0,79266	5,1547	1,5901e-002
9,1961	-0,80795	5,1969	1,5911e-002
9,2064	-0,81105	5,2347	1,632e-002
9,2168	-0,81867	5,274	1,6483e-002
9,2271	-0,86772	5,316	1,6587e-002
9,2375	-0,87495	5,3483	1,6784e-002
9,2478	-0,89032	5,3877	1,7056e-002
9,2581	-0,90011	5,4368	1,7013e-002
9,2685	-0,91639	5,467	1,7129e-002
9,2788	-0,94358	5,5023	1,7424e-002
9,2892	-0,97632	5,5543	1,7559e-002
9,2995	-1,0174	5,5913	1,7654e-002
9,3093	-0,6691	5,1446	1,6142e-002
9,3196	-0,59532	5,1773	2,1266e-002
9,3299	-0,59872	5,2262	1,9388e-002
9,3403	-0,59605	5,2678	1,6663e-002
9,3506	-0,57487	5,3051	1,7185e-002
9,361	-0,59023	5,3439	1,9522e-002
9,3713	-0,74933	5,3805	1,9091e-002
9,3817	-0,7551	5,4114	1,9857e-002
9,392	-0,7488	5,4429	2,0093e-002
9,4024	-0,74555	5,4885	1,9847e-002
9,4127	-0,72995	5,5149	2,0533e-002
9,4231	-0,7102	5,5529	2,0748e-002
9,4334	-0,70263	5,5825	2,0793e-002
9,4438	-0,70754	5,6066	2,0827e-002
9,4541	-0,70579	5,6416	2,0414e-002
9,4645	-0,70052	5,6695	2,0754e-002
9,4748	-0,68155	5,7027	2,1009e-002
9,4852	-0,66761	5,7425	2,1577e-002
9,4955	-0,6565	5,7699	2,2085e-002
9,5059	-0,6531	5,796	2,199e-002
9,5163	-0,65004	5,8177	2,1707e-002
9,5266	-0,64878	5,8417	2,1959e-002
9,537	-0,65178	5,0434	1,9505e-002
9,5473	-0,65164	5,0831	1,8055e-002
9,5576	-0,65295	5,0925	1,9243e-002
9,568	-0,64826	5,1246	1,9345e-002
9,5783	-0,64959	5,1573	1,8489e-002
9,5886	-0,64613	5,1991	1,8938e-002
9,599	-0,64986	5,1988	1,9718e-002
9,6093	-0,64845	5,256	1,9359e-002
9,6196	-0,6513	5,2841	1,9982e-002
9,63	-0,64781	5,3138	1,9674e-002
9,6403	-0,64831	5,3633	1,8995e-002
9,6507	-0,64292	5,3782	1,9661e-002
9,661	-0,64119	5,4112	1,9969e-002
9,6714	-0,63913	5,42	2,0185e-002
9,6817	-0,63868	5,465	2,057e-002
9,692	-0,6354	5,5084	2,0518e-002
9,7024	-0,63348	5,5709	2,0088e-002
9,7127	-0,63074	5,611	1,9899e-002
9,7231	-0,62902	5,6475	2,013e-002
9,7334	-0,62866	5,6852	2,0616e-002
9,7438	-0,62541	5,719	2,0896e-002
9,7541	-0,62165	5,7526	2,1092e-002
9,7645	-0,61549	5,7927	2,1187e-002
9,7748	-0,61106	5,8317	2,1052e-002
9,7851	-0,60797	5,861	2,1198e-002
9,7955	-0,60646	5,8987	2,1552e-002
9,8058	-0,60243	5,9345	2,1847e-002
9,8162	-0,59835	5,9724	2,195e-002
9,8265	-0,59239	6,009	2,2066e-002
9,8369	-0,58721	6,0453	2,2114e-002
9,8472	-0,58237	6,0788	2,2337e-002
9,8576	-0,57846	6,1098	2,2621e-002
9,8679	-0,57319	6,1416	2,2941e-002
9,8783	-0,56844	6,1764	2,3113e-002
9,8886	-0,56224	6,2079	2,3178e-002
9,899	-0,55596	6,241	2,3312e-002
9,9093	-0,55057	6,2812	2,3341e-002
9,9197	-0,54679	6,3058	2,363e-002
9,93	-0,53968	5,2521	1,6923e-002
9,9404	-0,53994	5,3275	2,0611e-002
9,9507	-0,53603	5,382	2,0924e-002
9,9611	-0,53869	5,4323	1,9065e-002
9,9714	-0,53535	5,4929	2,035e-002
9,9817	-0,54649	5,5143	2,018e-002
9,9921	-0,53825	5,5686	2,0204e-002
10,	-0,53562	5,5556	2,0938e-002
10,01	-0,53515	5,6151	2,0908e-002
10,021	-0,53588	5,646	2,0696e-002
10,031	-0,53645	5,6596	2,0338e-002
10,041	-0,53825	5,7033	2,0527e-002
10,052	-0,53961	5,7159	2,1269e-002

	-0,54188	5,767	2,1285e-002
10,072	-0,5412	5,7951	2,1799e-002
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10,093	-0,52946	5,8757	2,1876e-002
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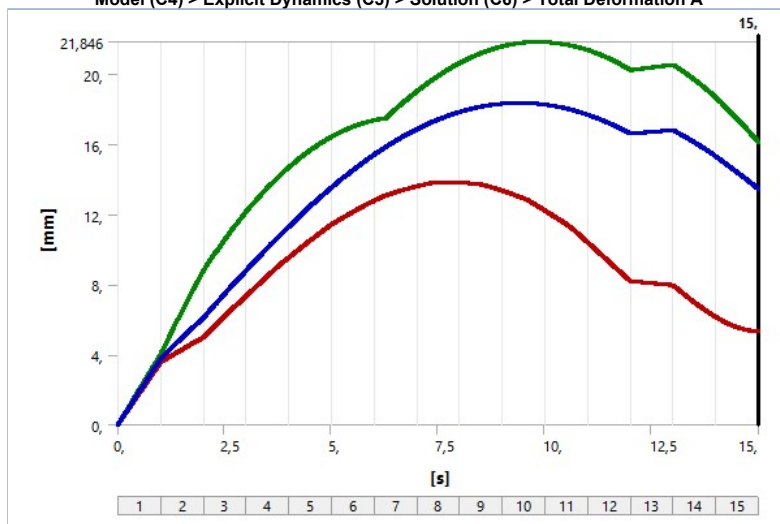
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13,767			
13,777			3,7518e-003
13,787			
13,797			
13,807			
13,817	-1,3272		3,7494e-003
13,827		2,8642	3,7491e-003
13,837	-1,3273	2,8637	3,754e-003
13,847		2,8641	3,7515e-003
13,858	-1,3274	2,864	3,7498e-003
13,868		2,8639	3,7509e-003
13,878			3,7516e-003
13,888		2,864	3,751e-003
13,898			3,7522e-003
13,908			3,7518e-003
13,918		2,8641	3,7509e-003
13,928			3,7511e-003
13,938			3,7516e-003
13,948			3,7515e-003
13,958			3,7514e-003
13,968			3,7515e-003
13,979			3,7516e-003
13,989			3,7513e-003
13,999			
14,			
14,01			3,7514e-003
14,02			3,7515e-003
14,03		2,864	
14,04			
14,05			3,7514e-003
14,061			
14,071			
14,081			
14,091			
14,101			3,7513e-003
14,111			
14,121			
14,131			
14,141	-1,3273		
14,151			
14,161			
14,172			
14,182			3,7512e-003
14,192			
14,202			
14,212			
14,222			
14,232			
14,242			
14,252			
14,262			
14,272			
14,282			3,7511e-003
14,293			
14,303			
14,313			
14,323			
14,333			3,751e-003
14,343			
14,353			
14,363			
14,373			
14,383			
14,393			
14,404			
14,414			
14,424			

14,434			
14,444			
14,454			
14,464			
14,474			
14,484			
14,494			
14,504			
14,514			
14,525			
14,535			
14,545			
14,555			
14,565			
14,575			3,7511e-003
14,585			
14,595			
14,605			
14,615			
14,625			
14,635			
14,646			
14,656			
14,666			
14,676			
14,686			
14,696			
14,706			
14,716		2,8641	3,751e-003
14,726			3,7511e-003
14,736			
14,746	-1,3274		
14,756	-1,3273		
14,767			3,751e-003
14,777			
14,787			
14,797			
14,807			
14,817			3,7511e-003
14,827			
14,837			
14,847			
14,857			3,7512e-003
14,867			
14,877			
14,887	-1,3274		3,7513e-003
14,898			
14,908			
14,918			
14,928			
14,938			3,7514e-003
14,948			
14,958			
14,968			
14,978			
14,988			3,7515e-003
14,998			
15,			

**FIGURE 45**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Total Deformation A



**TABLE 38**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Total Deformation A

Time [s]	Minimum [mm]	Maximum [mm]	Average [mm]
1,1755e-038	0,	0,	0,
1,0443e-002	3,7459e-002	4,2297e-002	3,9645e-002
2,0904e-002	7,4984e-002	8,4669e-002	7,936e-002
3,1366e-002	0,11251	0,12704	0,11908
4,1827e-002	0,15003	0,16941	0,15879
5,2289e-002	0,18756	0,21178	0,1985
6,275e-002	0,22508	0,25415	0,23821
7,3211e-002	0,2626	0,29652	0,27792
8,3672e-002	0,30012	0,33888	0,31763
9,4132e-002	0,33763	0,38124	0,35734
0,10459	0,37515	0,4236	0,39704
0,11505	0,41266	0,46596	0,43674
0,12551	0,45017	0,50831	0,47644
0,13597	0,48768	0,55066	0,51614
0,14643	0,52518	0,59301	0,55583
0,15689	0,56268	0,63535	0,59552
0,16735	0,60017	0,67769	0,6352
0,17781	0,63766	0,72002	0,67488
0,18826	0,67515	0,76235	0,71455
0,19872	0,71263	0,80468	0,75422
0,20918	0,75011	0,847	0,79389
0,21963	0,78758	0,88931	0,83355
0,23009	0,82505	0,93161	0,8732
0,24054	0,86251	0,97391	0,91285
0,25099	0,89997	1,0162	0,95249
0,26145	0,93742	1,0585	0,99213
0,2719	0,97486	1,1008	1,0318
0,28235	1,0123	1,143	1,0714
0,2928	1,0497	1,1853	1,111
0,30326	1,0872	1,2276	1,1506
0,31371	1,1246	1,2699	1,1902
0,32417	1,1621	1,3122	1,2299
0,33464	1,1995	1,3544	1,2695
0,3451	1,237	1,3967	1,3091
0,35556	1,2744	1,439	1,3488
0,36602	1,3118	1,4813	1,3884
0,37648	1,3492	1,5235	1,428
0,38694	1,3867	1,5658	1,4676
0,3974	1,4241	1,608	1,5072
0,40786	1,4615	1,6503	1,5468
0,41832	1,4989	1,6925	1,5864
0,42878	1,5363	1,7347	1,626
0,43924	1,5737	1,7769	1,6655
0,4497	1,6111	1,8192	1,7051
0,46016	1,6484	1,8614	1,7446
0,47062	1,6858	1,9035	1,7842
0,48108	1,7232	1,9457	1,8237
0,49154	1,7605	1,9879	1,8633
0,502	1,7979	2,0301	1,9028
0,51246	1,8352	2,0722	1,9423
0,52292	1,8725	2,1144	1,9818
0,53337	1,9099	2,1565	2,0213
0,54383	1,9472	2,1987	2,0608
0,55429	1,9845	2,2408	2,1003
0,56475	2,0218	2,2829	2,1398
0,57521	2,0591	2,325	2,1793
0,58567	2,0964	2,3671	2,2187
0,59613	2,1336	2,4092	2,2582
0,60658	2,1709	2,4513	2,2976
0,61704	2,2082	2,4934	2,337
0,6275	2,2454	2,5354	2,3764
0,63796	2,2826	2,5775	2,4159
0,64842	2,3199	2,6195	2,4553
0,65887	2,3571	2,6615	2,4946
0,66933	2,3943	2,7035	2,534
0,67979	2,4315	2,7455	2,5734
0,69025	2,4687	2,7875	2,6128
0,70071	2,5059	2,8295	2,6521
0,71117	2,543	2,8715	2,6914
0,72162	2,5802	2,9134	2,7308
0,73208	2,6173	2,9554	2,7701
0,74254	2,6545	2,9973	2,8094
0,753	2,6916	3,0393	2,8487
0,76346	2,7287	3,0812	2,888
0,77392	2,7658	3,1231	2,9273
0,78438	2,8029	3,165	2,9665
0,79484	2,84	3,2068	3,0058
0,80529	2,8771	3,2487	3,045
0,81575	2,9142	3,2905	3,0842
0,82621	2,9512	3,3324	3,1234
0,83667	2,9882	3,3742	3,1626
0,84713	3,0253	3,416	3,2018
0,85759	3,0623	3,4578	3,241
0,86805	3,0993	3,4996	3,2802
0,8785	3,1363	3,5413	3,3193
0,88896	3,1732	3,5831	3,3584

	3,2102	3,6248	3,3976
0,90988	3,2471	3,6665	3,4367
0,92033	3,2841	3,7082	3,4757
0,93079	3,321	3,7499	3,5148
0,94124	3,3579	3,7916	3,5539
0,9517	3,3948	3,8333	3,5929
0,96216	3,4317	3,8749	3,6319
0,97261	3,4685	3,9165	3,6709
0,98307	3,5054	3,9581	3,7099
0,99352	3,5422	3,9997	3,7489
1,	3,565	4,0255	3,7731
1,0105	3,5811	4,0779	3,7986
1,0209	3,5972	4,1303	3,824
1,0314	3,6131	4,1827	3,8495
1,0418	3,6288	4,2351	3,875
1,0523	3,6445	4,2875	3,9004
1,0627	3,6602	4,3398	3,9259
1,0732	3,6758	4,3921	3,9513
1,0836	3,6914	4,4444	3,9767
1,0941	3,707	4,4967	4,0021
1,1045	3,7226	4,5489	4,0275
1,115	3,7382	4,6011	4,0529
1,1255	3,7537	4,6533	4,0783
1,1359	3,7692	4,7054	4,1036
1,1464	3,7847	4,7575	4,1289
1,1568	3,8002	4,8096	4,1542
1,1673	3,8157	4,8616	4,1795
1,1777	3,8311	4,9136	4,2048
1,1882	3,8465	4,9656	4,2301
1,1986	3,862	5,0175	4,2553
1,2091	3,8773	5,0693	4,2805
1,2195	3,8927	5,1211	4,3057
1,23	3,9081	5,1729	4,3308
1,2404	3,9234	5,2246	4,356
1,2509	3,9387	5,2763	4,3811
1,2613	3,954	5,3279	4,4062
1,2718	3,9693	5,3794	4,4312
1,2823	3,9845	5,4309	4,4563
1,2927	3,9998	5,4824	4,4813
1,3032	4,015	5,5338	4,5063
1,3136	4,0302	5,5851	4,5312
1,3241	4,0454	5,6364	4,5561
1,3345	4,0605	5,6876	4,581
1,345	4,0757	5,7388	4,6059
1,3554	4,0908	5,7899	4,6308
1,3659	4,106	5,8409	4,6556
1,3763	4,1211	5,8919	4,6803
1,3868	4,1361	5,9428	4,7051
1,3972	4,1512	5,9937	4,7298
1,4077	4,1663	6,0445	4,7545
1,4181	4,1813	6,0952	4,7792
1,4286	4,1963	6,1459	4,8038
1,439	4,2113	6,1965	4,8284
1,4495	4,2263	6,247	4,853
1,4599	4,2413	6,2974	4,8775
1,4704	4,2563	6,3478	4,902
1,4808	4,2712	6,3982	4,9265
1,4913	4,2861	6,4484	4,9509
1,5017	4,3011	6,4986	4,9753
1,5122	4,316	6,5487	4,9997
1,5226	4,3308	6,5987	5,024
1,5331	4,3457	6,6487	5,0483
1,5435	4,3606	6,6986	5,0726
1,554	4,3754	6,7484	5,0968
1,5644	4,3903	6,7981	5,121
1,5749	4,4051	6,8478	5,1452
1,5853	4,4199	6,8974	5,1693
1,5958	4,4347	6,9469	5,1934
1,6062	4,4495	6,9963	5,2175
1,6167	4,4643	7,0457	5,2415
1,6271	4,4791	7,095	5,2655
1,6376	4,4938	7,1442	5,2894
1,648	4,5086	7,1933	5,3134
1,6585	4,5233	7,2424	5,3372
1,669	4,538	7,2914	5,3611
1,6794	4,5524	7,3403	5,3849
1,6899	4,5667	7,3891	5,4087
1,7003	4,581	7,4378	5,4324
1,7108	4,5952	7,4865	5,4562
1,7212	4,6094	7,5351	5,4798
1,7317	4,6236	7,5836	5,5035
1,7421	4,6378	7,632	5,5271
1,7526	4,6519	7,6804	5,5506
1,763	4,666	7,7286	5,5742
1,7735	4,6801	7,7768	5,5977
1,7839	4,6942	7,8249	5,6211
1,7944	4,7082	7,8729	5,6446

	4,7222	7,9208	5,6679
1,8153	4,7362	7,9686	5,6913
1,8257	4,7502	8,0164	5,7146
1,8362	4,7641	8,064	5,7379
1,8466	4,7781	8,1116	5,7611
1,8571	4,792	8,1591	5,7843
1,8675	4,8059	8,2065	5,8075
1,878	4,8197	8,2538	5,8306
1,8885	4,8336	8,301	5,8537
1,8989	4,8474	8,3482	5,8767
1,9094	4,8612	8,3952	5,8998
1,9198	4,875	8,4422	5,9227
1,9303	4,8888	8,4891	5,9457
1,9407	4,9025	8,5359	5,9686
1,9512	4,9162	8,5826	5,9915
1,9616	4,9299	8,6292	6,0143
1,9721	4,9436	8,6757	6,0371
1,9825	4,9573	8,7222	6,0599
1,993	4,971	8,7685	6,0826
2,	4,9801	8,7996	6,0978
2,0105	5,0062	8,8381	6,1274
2,0209	5,0322	8,8765	6,157
2,0313	5,058	8,9146	6,1864
2,0417	5,0839	8,9527	6,2157
2,0521	5,1097	8,9908	6,245
2,0625	5,1355	9,0287	6,2743
2,0729	5,1613	9,0666	6,3036
2,0833	5,1871	9,1044	6,3328
2,0937	5,2129	9,1422	6,362
2,1041	5,2388	9,1799	6,3912
2,1145	5,2646	9,2176	6,4204
2,1249	5,2904	9,2552	6,4496
2,1353	5,3162	9,2927	6,4787
2,1457	5,342	9,3302	6,5078
2,1562	5,3678	9,3676	6,537
2,1666	5,3936	9,4049	6,566
2,177	5,4193	9,4422	6,595
2,1874	5,445	9,4793	6,624
2,1978	5,4708	9,5165	6,653
2,2082	5,4965	9,5535	6,6819
2,2186	5,5223	9,5905	6,7108
2,229	5,5479	9,6274	6,7396
2,2394	5,5737	9,6642	6,7685
2,2499	5,5994	9,701	6,7973
2,2603	5,625	9,7377	6,826
2,2707	5,6507	9,7743	6,8548
2,2811	5,6763	9,8108	6,8835
2,2915	5,702	9,8473	6,9122
2,3019	5,7276	9,8837	6,9408
2,3123	5,7532	9,92	6,9694
2,3227	5,7788	9,9562	6,998
2,3331	5,8044	9,9924	7,0266
2,3435	5,83	10,029	7,0551
2,3539	5,8556	10,065	7,0836
2,3643	5,8811	10,1	7,1121
2,3747	5,9067	10,136	7,1405
2,3851	5,9322	10,172	7,1689
2,3955	5,9578	10,208	7,1973
2,4059	5,9833	10,244	7,2256
2,4163	6,0088	10,279	7,2539
2,4267	6,0343	10,315	7,2822
2,4371	6,0598	10,35	7,3104
2,4475	6,0853	10,386	7,3387
2,4579	6,1108	10,421	7,3669
2,4684	6,1363	10,456	7,395
2,4788	6,1617	10,491	7,4231
2,4892	6,1872	10,526	7,4512
2,4996	6,2126	10,561	7,4793
2,51	6,238	10,596	7,5073
2,5204	6,2635	10,631	7,5353
2,5308	6,2889	10,666	7,5633
2,5412	6,3143	10,7	7,5912
2,5516	6,3396	10,735	7,6192
2,562	6,365	10,77	7,647
2,5724	6,3904	10,804	7,6749
2,5828	6,4148	10,838	7,7027
2,5932	6,4382	10,873	7,7305
2,6036	6,4615	10,907	7,7582
2,614	6,4847	10,941	7,7859
2,6244	6,508	10,975	7,8136
2,6348	6,5312	11,009	7,8413
2,6452	6,5544	11,043	7,8689
2,6556	6,5776	11,077	7,8965
2,666	6,6008	11,111	7,924
2,6764	6,6239	11,145	7,9516
2,6868	6,647	11,178	7,9791
2,6972	6,6701	11,212	8,0065

	6,6932	11,245	8,034
2,718	6,7162	11,279	8,0614
2,7284	6,7393	11,312	8,0887
2,7388	6,7623	11,345	8,116
2,7492	6,7853	11,378	8,1433
2,7596	6,8082	11,411	8,1706
2,77	6,8312	11,444	8,1978
2,7804	6,8541	11,477	8,225
2,7908	6,877	11,51	8,2522
2,8012	6,8999	11,543	8,2793
2,8116	6,9228	11,575	8,3064
2,822	6,9456	11,608	8,3335
2,8324	6,9684	11,641	8,3605
2,8428	6,9912	11,673	8,3875
2,8532	7,014	11,705	8,4145
2,8636	7,0368	11,738	8,4414
2,874	7,0595	11,77	8,4683
2,8844	7,0822	11,802	8,4952
2,8948	7,1049	11,834	8,5221
2,9052	7,1276	11,866	8,5489
2,9156	7,1502	11,898	8,5757
2,926	7,1729	11,93	8,6024
2,9364	7,1955	11,961	8,6291
2,9468	7,2181	11,993	8,6558
2,9572	7,2406	12,024	8,6824
2,9676	7,2632	12,056	8,709
2,978	7,2857	12,087	8,7356
2,9884	7,3081	12,119	8,762
2,9987	7,3306	12,15	8,7885
3,	7,3333	12,153	8,7917
3,0104	7,3578	12,184	8,8194
3,0208	7,3823	12,214	8,8472
3,0312	7,4068	12,244	8,8748
3,0416	7,4312	12,274	8,9024
3,052	7,4556	12,303	8,93
3,0624	7,4801	12,333	8,9577
3,0728	7,5045	12,363	8,9852
3,0832	7,5289	12,393	9,0128
3,0936	7,5532	12,422	9,0402
3,104	7,5776	12,452	9,0677
3,1145	7,602	12,481	9,0952
3,1249	7,6263	12,511	9,1226
3,1353	7,6506	12,54	9,1499
3,1457	7,6748	12,569	9,1772
3,1561	7,6991	12,598	9,2045
3,1665	7,7233	12,627	9,2318
3,1769	7,7476	12,656	9,2591
3,1873	7,7718	12,685	9,2863
3,1977	7,7959	12,714	9,3134
3,2081	7,8201	12,743	9,3406
3,2185	7,8442	12,771	9,3677
3,2289	7,8683	12,8	9,3947
3,2393	7,8924	12,828	9,4218
3,2497	7,9165	12,857	9,4488
3,2601	7,9406	12,885	9,4757
3,2705	7,9646	12,913	9,5026
3,2809	7,9886	12,941	9,5295
3,2913	8,0126	12,969	9,5563
3,3017	8,0365	12,997	9,5832
3,3121	8,0605	13,025	9,6099
3,3225	8,0844	13,053	9,6367
3,3329	8,1083	13,081	9,6634
3,3433	8,1321	13,109	9,69
3,3536	8,156	13,136	9,7166
3,364	8,1798	13,164	9,7432
3,3744	8,2036	13,191	9,7698
3,3848	8,2274	13,218	9,7963
3,3952	8,2511	13,246	9,8228
3,4056	8,2749	13,273	9,8492
3,4159	8,2986	13,3	9,8756
3,4263	8,3223	13,327	9,902
3,4367	8,346	13,354	9,9284
3,4471	8,3697	13,381	9,9547
3,4575	8,3933	13,408	9,981
3,4679	8,417	13,434	10,007
3,4783	8,4406	13,461	10,033
3,4887	8,4642	13,487	10,06
3,4991	8,4878	13,514	10,086
3,5095	8,5113	13,54	10,112
3,5199	8,5349	13,567	10,138
3,5303	8,5584	13,593	10,164
3,5406	8,5819	13,619	10,19
3,551	8,6053	13,645	10,216
3,5614	8,6288	13,671	10,242
3,5718	8,6522	13,697	10,268
3,5822	8,6756	13,723	10,294
3,5926	8,699	13,749	10,32



	8,7223	13,774	10,345
3,6134	8,7457	13,8	10,371
3,6237	8,769	13,825	10,397
3,6341	8,7923	13,851	10,422
3,6445	8,8156	13,876	10,448
3,6549	8,8388	13,901	10,474
3,6653	8,862	13,926	10,499
3,6756	8,8852	13,951	10,525
3,686	8,9084	13,976	10,55
3,6964	8,9315	14,001	10,576
3,7068	8,9547	14,026	10,601
3,7171	8,9778	14,051	10,626
3,7275	9,0009	14,075	10,652
3,7379	9,0239	14,1	10,677
3,7482	9,047	14,124	10,702
3,7586	9,07	14,149	10,728
3,769	9,092	14,173	10,753
3,7793	9,1124	14,197	10,778
3,7897	9,1329	14,221	10,803
3,8001	9,1533	14,246	10,828
3,8105	9,1737	14,27	10,853
3,8209	9,194	14,293	10,878
3,8313	9,2144	14,317	10,903
3,8416	9,2347	14,341	10,928
3,852	9,2549	14,365	10,953
3,8624	9,2752	14,388	10,978
3,8728	9,2954	14,412	11,003
3,8831	9,3155	14,435	11,028
3,8935	9,3357	14,458	11,052
3,9039	9,3558	14,482	11,077
3,9143	9,3759	14,505	11,102
3,9246	9,396	14,528	11,126
3,935	9,416	14,551	11,151
3,9454	9,436	14,574	11,176
3,9558	9,456	14,596	11,2
3,9661	9,4759	14,619	11,225
3,9765	9,4958	14,642	11,249
3,9869	9,5157	14,664	11,273
3,9973	9,5355	14,687	11,298
4,	9,5408	14,693	11,304
4,0104	9,5617	14,715	11,329
4,0207	9,5825	14,737	11,354
4,0311	9,6033	14,758	11,379
4,0415	9,6241	14,78	11,404
4,0518	9,6449	14,802	11,429
4,0622	9,6656	14,824	11,454
4,0726	9,6863	14,845	11,478
4,0829	9,7069	14,867	11,503
4,0933	9,7276	14,888	11,528
4,1036	9,7482	14,909	11,553
4,1139	9,7685	14,93	11,577
4,1242	9,789	14,951	11,601
4,1346	9,8095	14,972	11,626
4,1447	9,8296	14,993	11,65
4,1551	9,8501	15,014	11,674
4,1654	9,8705	15,034	11,699
4,1758	9,8909	15,055	11,723
4,186	9,911	15,075	11,747
4,1962	9,931	15,095	11,771
4,2065	9,9513	15,116	11,795
4,2168	9,9715	15,136	11,819
4,2272	9,9918	15,156	11,844
4,2375	10,012	15,177	11,868
4,2479	10,032	15,197	11,892
4,2582	10,052	15,217	11,916
4,2681	10,072	15,236	11,939
4,2785	10,092	15,256	11,963
4,2888	10,112	15,275	11,987
4,2991	10,132	15,295	12,011
4,3094	10,152	15,315	12,034
4,3198	10,172	15,334	12,058
4,3301	10,192	15,354	12,082
4,3405	10,212	15,373	12,106
4,3508	10,232	15,392	12,129
4,3612	10,251	15,411	12,153
4,3715	10,271	15,431	12,177
4,3819	10,291	15,45	12,2
4,3922	10,311	15,468	12,224
4,4026	10,331	15,487	12,247
4,4129	10,351	15,506	12,271
4,4233	10,37	15,525	12,294
4,4336	10,39	15,543	12,318
4,444	10,41	15,562	12,341
4,4543	10,429	15,58	12,364
4,4647	10,449	15,599	12,388
4,475	10,468	15,617	12,411
4,4853	10,488	15,635	12,434

	10,507	15,653	12,457
4,506	10,527	15,671	12,48
4,5164	10,546	15,689	12,503
4,5267	10,566	15,707	12,526
4,537	10,585	15,725	12,549
4,5474	10,605	15,742	12,572
4,5577	10,624	15,76	12,595
4,568	10,643	15,778	12,618
4,5784	10,662	15,795	12,641
4,5887	10,682	15,812	12,663
4,5991	10,701	15,83	12,686
4,6095	10,72	15,847	12,709
4,6198	10,739	15,864	12,732
4,6302	10,759	15,881	12,754
4,6405	10,778	15,898	12,777
4,6509	10,797	15,915	12,8
4,6613	10,816	15,932	12,822
4,6716	10,835	15,948	12,845
4,682	10,854	15,965	12,867
4,6923	10,873	15,981	12,889
4,7027	10,892	15,998	12,912
4,713	10,911	16,014	12,934
4,7234	10,93	16,03	12,956
4,7337	10,949	16,046	12,978
4,744	10,967	16,063	13,001
4,7544	10,986	16,079	13,023
4,7647	11,005	16,094	13,045
4,7751	11,024	16,11	13,067
4,7854	11,042	16,126	13,089
4,7958	11,061	16,142	13,111
4,8061	11,08	16,157	13,133
4,8165	11,098	16,173	13,155
4,8268	11,117	16,188	13,177
4,8372	11,136	16,203	13,198
4,8475	11,154	16,219	13,22
4,8579	11,173	16,234	13,242
4,8682	11,191	16,249	13,263
4,8785	11,21	16,264	13,285
4,8889	11,228	16,279	13,307
4,8992	11,246	16,293	13,328
4,9096	11,265	16,308	13,35
4,9199	11,283	16,323	13,371
4,9302	11,301	16,337	13,392
4,9406	11,32	16,352	13,414
4,9509	11,338	16,366	13,435
4,9612	11,356	16,38	13,456
4,9716	11,374	16,394	13,478
4,9819	11,392	16,408	13,499
4,9923	11,407	16,422	13,52
5,	11,418	16,433	13,536
5,0104	11,434	16,447	13,557
5,0207	11,45	16,46	13,579
5,031	11,466	16,474	13,6
5,0414	11,481	16,487	13,622
5,0517	11,497	16,501	13,643
5,0621	11,513	16,514	13,664
5,0724	11,528	16,527	13,686
5,0828	11,544	16,541	13,707
5,0931	11,56	16,554	13,728
5,1034	11,575	16,567	13,749
5,1138	11,591	16,58	13,77
5,1241	11,606	16,593	13,791
5,1344	11,621	16,605	13,812
5,1448	11,637	16,618	13,833
5,1551	11,652	16,631	13,854
5,1655	11,667	16,643	13,875
5,1758	11,683	16,656	13,896
5,1861	11,698	16,668	13,917
5,1965	11,713	16,68	13,937
5,2068	11,728	16,692	13,958
5,2171	11,743	16,704	13,979
5,2275	11,758	16,716	13,999
5,2378	11,773	16,728	14,02
5,2481	11,788	16,74	14,04
5,2584	11,803	16,752	14,061
5,2688	11,818	16,764	14,081
5,2791	11,833	16,775	14,102
5,2894	11,848	16,787	14,122
5,2997	11,863	16,798	14,142
5,3101	11,878	16,809	14,162
5,3204	11,893	16,821	14,183
5,3308	11,907	16,832	14,203
5,3411	11,922	16,843	14,223
5,3515	11,937	16,854	14,243
5,3618	11,951	16,865	14,263
5,3722	11,966	16,876	14,283
5,3825	11,981	16,886	14,303

	11,995	16,897	14,323
5,4033	12,01	16,908	14,343
5,4136	12,024	16,918	14,363
5,4239	12,039	16,929	14,382
5,4343	12,053	16,939	14,402
5,4447	12,067	16,949	14,422
5,455	12,082	16,959	14,441
5,4653	12,096	16,969	14,461
5,4757	12,11	16,979	14,481
5,486	12,124	16,989	14,5
5,4964	12,139	16,999	14,52
5,5067	12,153	17,009	14,539
5,517	12,167	17,018	14,558
5,5274	12,181	17,028	14,578
5,5377	12,195	17,037	14,597
5,548	12,209	17,047	14,616
5,5583	12,223	17,056	14,635
5,5687	12,237	17,065	14,654
5,579	12,251	17,074	14,673
5,5893	12,265	17,083	14,692
5,5996	12,278	17,092	14,711
5,6099	12,292	17,101	14,73
5,6203	12,306	17,11	14,749
5,6306	12,32	17,119	14,768
5,6409	12,333	17,127	14,786
5,6512	12,347	17,136	14,805
5,6615	12,361	17,144	14,824
5,6718	12,374	17,152	14,842
5,6822	12,388	17,161	14,861
5,6925	12,401	17,169	14,88
5,7028	12,415	17,177	14,898
5,7131	12,428	17,185	14,916
5,7234	12,441	17,193	14,935
5,7337	12,455	17,201	14,953
5,7441	12,468	17,208	14,972
5,7544	12,481	17,216	14,99
5,7647	12,495	17,224	15,008
5,7751	12,508	17,231	15,026
5,7854	12,521	17,239	15,044
5,7957	12,534	17,246	15,062
5,8061	12,547	17,253	15,08
5,8164	12,561	17,26	15,098
5,8268	12,574	17,267	15,116
5,8371	12,587	17,274	15,134
5,8474	12,6	17,281	15,152
5,8577	12,613	17,288	15,17
5,8681	12,626	17,295	15,188
5,8784	12,638	17,301	15,205
5,8887	12,651	17,308	15,223
5,899	12,664	17,314	15,241
5,9093	12,677	17,321	15,258
5,9197	12,69	17,327	15,276
5,93	12,702	17,333	15,293
5,9401	12,715	17,339	15,31
5,9504	12,727	17,345	15,328
5,9607	12,74	17,351	15,345
5,9711	12,752	17,357	15,362
5,9814	12,765	17,363	15,379
5,9917	12,777	17,369	15,397
6,	12,787	17,373	15,41
6,0103	12,8	17,379	15,428
6,0207	12,813	17,384	15,445
6,031	12,826	17,39	15,462
6,0414	12,839	17,395	15,48
6,0517	12,852	17,4	15,497
6,062	12,865	17,406	15,514
6,0724	12,877	17,411	15,531
6,0827	12,89	17,416	15,548
6,093	12,903	17,421	15,565
6,1034	12,916	17,426	15,582
6,1137	12,928	17,43	15,599
6,124	12,941	17,435	15,616
6,1344	12,953	17,44	15,633
6,1447	12,966	17,444	15,65
6,155	12,978	17,449	15,666
6,1653	12,991	17,453	15,683
6,1757	13,003	17,457	15,7
6,186	13,015	17,461	15,716
6,1963	13,024	17,466	15,733
6,2067	13,033	17,47	15,749
6,217	13,042	17,474	15,765
6,2273	13,051	17,477	15,782
6,2376	13,059	17,481	15,798
6,248	13,068	17,485	15,814
6,2583	13,077	17,488	15,831
6,2686	13,086	17,492	15,847
6,2789	13,094	17,509	15,863

	13,103	17,532	15,879
6,2996	13,112	17,556	15,895
6,3099	13,12	17,579	15,911
6,3202	13,129	17,603	15,927
6,3305	13,137	17,626	15,943
6,3409	13,146	17,649	15,959
6,3512	13,154	17,672	15,974
6,3615	13,162	17,696	15,99
6,3719	13,171	17,719	16,006
6,3822	13,179	17,742	16,021
6,3925	13,187	17,765	16,037
6,4028	13,196	17,788	16,052
6,4132	13,204	17,811	16,068
6,4235	13,212	17,834	16,083
6,4338	13,22	17,856	16,099
6,4441	13,228	17,879	16,114
6,4545	13,236	17,902	16,129
6,4648	13,244	17,925	16,144
6,4751	13,252	17,947	16,16
6,4854	13,26	17,97	16,175
6,4957	13,268	17,992	16,19
6,5061	13,275	18,015	16,205
6,5164	13,283	18,037	16,22
6,5267	13,291	18,059	16,235
6,537	13,299	18,082	16,25
6,5473	13,306	18,104	16,264
6,5576	13,314	18,126	16,279
6,568	13,321	18,148	16,294
6,5783	13,329	18,17	16,308
6,5886	13,336	18,192	16,323
6,5989	13,344	18,214	16,338
6,6092	13,351	18,236	16,352
6,6195	13,359	18,258	16,367
6,6298	13,366	18,279	16,381
6,6401	13,373	18,301	16,395
6,6504	13,381	18,323	16,409
6,6607	13,388	18,344	16,424
6,671	13,395	18,366	16,438
6,6813	13,402	18,387	16,452
6,6916	13,409	18,408	16,466
6,7019	13,416	18,43	16,48
6,7121	13,423	18,451	16,494
6,7224	13,43	18,472	16,508
6,7327	13,437	18,493	16,522
6,743	13,444	18,514	16,535
6,7533	13,451	18,535	16,549
6,7636	13,458	18,556	16,563
6,7738	13,465	18,577	16,577
6,7841	13,471	18,598	16,59
6,7944	13,478	18,619	16,604
6,8047	13,485	18,64	16,617
6,815	13,491	18,66	16,631
6,8253	13,498	18,681	16,644
6,8356	13,504	18,702	16,657
6,8459	13,511	18,722	16,671
6,8562	13,517	18,743	16,684
6,8664	13,524	18,763	16,697
6,8768	13,53	18,784	16,71
6,8872	13,537	18,804	16,723
6,8975	13,543	18,824	16,737
6,9079	13,549	18,845	16,75
6,9182	13,556	18,865	16,763
6,9286	13,562	18,885	16,776
6,939	13,568	18,905	16,789
6,9493	13,574	18,925	16,801
6,9597	13,581	18,945	16,814
6,9701	13,587	18,965	16,827
6,9805	13,593	18,985	16,84
6,9908	13,599	19,005	16,852
7,	13,604	19,023	16,864
7,0104	13,611	19,043	16,876
7,0207	13,617	19,062	16,889
7,0311	13,623	19,082	16,902
7,0415	13,629	19,101	16,914
7,0518	13,636	19,121	16,927
7,0622	13,642	19,14	16,939
7,0726	13,648	19,16	16,952
7,0829	13,654	19,179	16,964
7,0933	13,66	19,198	16,977
7,1036	13,666	19,217	16,989
7,114	13,672	19,236	17,001
7,1244	13,678	19,256	17,013
7,1347	13,684	19,275	17,025
7,1451	13,69	19,293	17,037
7,1554	13,695	19,312	17,049
7,1658	13,701	19,331	17,061
7,1761	13,707	19,35	17,073

	13,713	19,368	17,085
7,1968	13,718	19,387	17,097
7,2072	13,724	19,406	17,108
7,2175	13,73	19,424	17,12
7,2278	13,735	19,442	17,132
7,2382	13,741	19,461	17,143
7,2485	13,746	19,479	17,155
7,2589	13,752	19,497	17,166
7,2692	13,757	19,515	17,178
7,2795	13,762	19,533	17,189
7,2899	13,768	19,551	17,2
7,3002	13,773	19,569	17,212
7,3106	13,778	19,587	17,223
7,3209	13,783	19,605	17,234
7,3312	13,789	19,623	17,245
7,3416	13,794	19,641	17,256
7,3519	13,799	19,658	17,267
7,3623	13,802	19,676	17,278
7,3727	13,804	19,693	17,289
7,383	13,805	19,711	17,3
7,3934	13,806	19,728	17,31
7,4038	13,807	19,746	17,321
7,4142	13,808	19,763	17,332
7,4246	13,81	19,78	17,342
7,435	13,811	19,798	17,353
7,4454	13,812	19,815	17,363
7,4558	13,813	19,832	17,374
7,4661	13,814	19,849	17,384
7,4765	13,815	19,866	17,395
7,4869		19,883	17,405
7,4972	13,816	19,899	17,415
7,5076	13,817	19,916	17,425
7,518	13,818	19,933	17,436
7,5284		19,949	17,446
7,5387	13,819	19,966	17,456
7,5491	13,82	19,982	17,466
7,5595		19,999	17,475
7,5699	13,821	20,015	17,485
7,5802		20,031	17,495
7,5906	13,822	20,048	17,505
7,601		20,064	17,515
7,6113	13,823	20,08	17,524
7,6217		20,096	17,534
7,6321		20,112	17,543
7,6424	13,824	20,128	17,553
7,6528		20,143	17,562
7,6632		20,159	17,571
7,6735		20,175	17,581
7,6839		20,19	17,59
7,6942		20,206	17,599
7,7046		20,221	17,608
7,7149		20,237	17,617
7,7253		20,252	17,626
7,7356		20,267	17,635
7,746		20,282	17,644
7,7563		20,297	17,653
7,7667	13,823	20,312	17,662
7,777		20,327	17,671
7,7873		20,342	17,679
7,7977	13,822	20,357	17,688
7,808		20,372	17,696
7,8184	13,821	20,387	17,705
7,8287		20,401	17,713
7,839	13,82	20,416	17,722
7,8494		20,43	17,73
7,8597	13,819	20,445	17,738
7,8701		20,459	17,747
7,8804	13,818	20,473	17,755
7,8908		20,488	17,763
7,9012	13,817	20,502	17,771
7,9115	13,816	20,516	17,779
7,9215	13,815	20,529	17,787
7,9316		20,543	17,794
7,9418	13,814	20,557	17,802
7,952	13,813	20,57	17,81
7,9621	13,812	20,584	17,817
7,9723	13,811	20,597	17,825
7,9825	13,81	20,611	17,832
7,9926	13,809	20,624	17,84
8,	13,808	20,634	17,845
8,0101	13,807	20,647	17,853
8,0203	13,806	20,66	17,86
8,0305		20,673	17,868
8,0407	13,805	20,686	17,875
8,0508	13,804	20,699	17,882
8,061	13,803	20,711	17,889
8,0712	13,802	20,724	17,897

8,0813	13,801	20,737	17,904
8,0915	13,8	20,749	17,911
8,1017	13,799	20,762	17,918
8,112	13,797	20,774	17,925
8,1222	13,796	20,787	17,932
8,1324	13,795	20,799	17,939
8,1426	13,794	20,812	17,945
8,1529	13,792	20,824	17,952
8,1631	13,791	20,836	17,959
8,1733	13,79	20,848	17,966
8,1836	13,788	20,86	17,972
8,1938	13,787	20,872	17,979
8,2041	13,785	20,884	17,985
8,2143	13,784	20,896	17,992
8,2245	13,782	20,908	17,998
8,2348	13,781	20,919	18,004
8,245	13,779	20,931	18,011
8,2552	13,778	20,943	18,017
8,2654	13,776	20,954	18,023
8,2757	13,774	20,966	18,029
8,2859	13,772	20,977	18,035
8,2961	13,771	20,988	18,041
8,3064	13,769	20,999	18,047
8,3166	13,767	21,011	18,053
8,3268	13,765	21,022	18,059
8,337	13,763	21,033	18,065
8,3473	13,761	21,043	18,07
8,3575	13,759	21,054	18,076
8,3677	13,757	21,065	18,082
8,3779	13,755	21,076	18,087
8,3881	13,753	21,086	18,093
8,3984	13,751	21,097	18,098
8,4086	13,749	21,108	18,103
8,4188	13,747	21,118	18,109
8,429	13,744	21,128	18,114
8,4392	13,742	21,139	18,119
8,4494	13,74	21,149	18,124
8,4597	13,737	21,159	18,13
8,4699	13,735	21,169	18,135
8,4801	13,733	21,179	18,14
8,4903	13,729	21,189	18,145
8,5006	13,722	21,199	18,149
8,5108	13,715	21,209	18,154
8,5211	13,709	21,218	18,159
8,5314	13,702	21,228	18,164
8,5417	13,695	21,238	18,168
8,552	13,688	21,247	18,173
8,5622	13,682	21,257	18,178
8,5725	13,675	21,266	18,182
8,5828	13,668	21,275	18,187
8,5931	13,661	21,285	18,191
8,6033	13,654	21,294	18,195
8,6136	13,647	21,303	18,2
8,6239	13,64	21,312	18,204
8,6342	13,633	21,321	18,208
8,6445	13,626	21,33	18,212
8,6547	13,618	21,339	18,216
8,665	13,611	21,348	18,22
8,6753	13,604	21,356	18,224
8,6856	13,597	21,365	18,228
8,6959	13,589	21,373	18,232
8,7062	13,582	21,382	18,236
8,7165	13,575	21,39	18,24
8,7267	13,567	21,399	18,243
8,737	13,56	21,407	18,247
8,7473	13,552	21,415	18,251
8,7576	13,545	21,423	18,254
8,7679	13,537	21,431	18,257
8,7782	13,529	21,439	18,261
8,7884	13,522	21,447	18,264
8,7987	13,514	21,455	18,268
8,809	13,506	21,462	18,271
8,8193	13,499	21,47	18,274
8,8296	13,491	21,478	18,277
8,8398	13,483	21,485	18,28
8,8501	13,475	21,493	18,283
8,8604	13,467	21,5	18,286
8,8707	13,459	21,507	18,289
8,881	13,451	21,514	18,292
8,8913	13,443	21,522	18,295
8,9016	13,435	21,529	18,297
8,9118	13,427	21,536	18,3
8,9221	13,419	21,543	18,303
8,9324	13,411	21,549	18,305
8,9427	13,402	21,556	18,308
8,953	13,394	21,563	18,31
8,9633	13,386	21,57	18,312

	13,378	21,576	18,315
8,9839	13,369	21,583	18,317
8,9942	13,361	21,589	18,319
9,	13,356	21,593	18,321
9,0103	13,348	21,599	18,323
9,0206	13,34	21,605	18,325
9,0309	13,332	21,611	18,327
9,0412	13,323	21,617	18,329
9,0515	13,315	21,623	18,331
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9,0722	13,298	21,634	18,335
9,0825	13,29	21,64	18,337
9,0928	13,281	21,646	18,338
9,1031	13,273	21,651	18,34
9,1135	13,264	21,657	18,342
9,1238	13,256	21,662	18,343
9,1341	13,247	21,667	18,345
9,1444	13,238	21,672	18,346
9,1548	13,23	21,678	18,348
9,1651	13,221	21,683	18,349
9,1754	13,212	21,688	18,35
9,1858	13,203	21,693	18,352
9,1961	13,195	21,697	18,353
9,2064	13,186	21,702	18,354
9,2168	13,177	21,707	18,355
9,2271	13,168	21,711	18,356
9,2375	13,159	21,716	18,357
9,2478	13,15	21,72	18,358
9,2581	13,141	21,725	18,359
9,2685	13,132	21,729	
9,2788	13,123	21,733	18,36
9,2892	13,114	21,738	18,361
9,2995	13,105	21,742	
9,3093	13,096	21,745	18,362
9,3196	13,087	21,749	
9,3299	13,078	21,753	18,363
9,3403	13,068	21,757	
9,3506	13,059	21,761	18,364
9,361	13,05	21,764	
9,3713	13,04	21,768	
9,3817	13,031	21,771	
9,392	13,022	21,775	
9,4024	13,012	21,778	
9,4127	13,003	21,781	
9,4231	12,993	21,784	
9,4334	12,984	21,787	
9,4438	12,974	21,79	
9,4541	12,965	21,793	18,363
9,4645	12,955	21,796	
9,4748	12,945	21,799	
9,4852	12,936	21,801	18,362
9,4955	12,926	21,804	
9,5059	12,916	21,807	18,361
9,5163	12,906	21,809	
9,5266	12,897	21,811	18,36
9,537	12,887	21,814	
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9,5576	12,867	21,818	18,358
9,568	12,857	21,82	18,357
9,5783	12,844	21,822	18,356
9,5886	12,829	21,824	18,355
9,599	12,815	21,826	18,354
9,6093	12,8	21,827	18,353
9,6196	12,786	21,829	18,352
9,63	12,771	21,831	18,351
9,6403	12,756	21,832	18,349
9,6507	12,741	21,834	18,348
9,661	12,727	21,835	18,347
9,6714	12,712	21,836	18,345
9,6817	12,697	21,837	18,344
9,692	12,682	21,839	18,342
9,7024	12,667	21,84	18,34
9,7127	12,652	21,841	18,339
9,7231	12,637		18,337
9,7334	12,622	21,842	18,335
9,7438	12,607	21,843	18,333
9,7541	12,592	21,844	18,332
9,7645	12,577		18,33
9,7748	12,562	21,845	18,328
9,7851	12,546		18,325
9,7955	12,531		18,323
9,8058	12,516		18,321
9,8162	12,501	21,846	18,319
9,8265	12,485		18,317
9,8369	12,47		18,314
9,8472	12,455		18,312
9,8576	12,439		18,309

9,8679	12,424		18,307
9,8783	12,408	21,845	18,304
9,8886	12,393		18,302
9,899	12,377		18,299
9,9093	12,362	21,844	18,296
9,9197	12,346	21,843	18,293
9,93	12,33		18,29
9,9404	12,315	21,842	18,287
9,9507	12,299	21,841	18,284
9,9611	12,283	21,84	18,281
9,9714	12,268	21,839	18,278
9,9817	12,252	21,838	18,275
9,9921	12,236	21,837	18,272
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10,01	12,208	21,834	18,266
10,021	12,193	21,833	18,263
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10,052	12,146	21,828	18,252
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10,072	12,114	21,824	18,245
10,083	12,098	21,822	18,242
10,093	12,083	21,82	18,238
10,103	12,067	21,818	18,234
10,114	12,051	21,815	18,23
10,124	12,035	21,813	18,226
10,134	12,019	21,811	18,222
10,145	12,003	21,808	18,218
10,155	11,987	21,806	18,214
10,165	11,971	21,803	18,21
10,176	11,955	21,8	18,206
10,186	11,939	21,798	18,202
10,196	11,923	21,795	18,198
10,207	11,907	21,792	18,193
10,217	11,891	21,789	18,189
10,227	11,875	21,786	18,184
10,238	11,859	21,782	18,18
10,248	11,842	21,779	18,175
10,258	11,826	21,776	18,171
10,269	11,81	21,772	18,166
10,279	11,794	21,769	18,161
10,289	11,778	21,765	18,156
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10,32	11,729	21,754	18,142
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10,651	11,18	21,617	17,953
10,661	11,158	21,612	17,946
10,671	11,136	21,606	17,94
10,682	11,114	21,6	17,933
10,692	11,092	21,595	17,926
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10,712	11,048	21,583	17,912
10,722	11,026	21,577	17,905
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10,743	10,982	21,565	17,89
10,753	10,96	21,559	17,883



10,763	10,938	21,553	17,876
10,773	10,916	21,547	17,869
10,784	10,893	21,54	17,861
10,794	10,871	21,534	17,854
10,804	10,849	21,528	17,846
10,814	10,827	21,521	17,839
10,825	10,804	21,514	17,831
10,835	10,782	21,508	17,824
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11,02	10,375	21,372	17,676
11,03	10,352	21,364	17,667
11,04	10,33	21,356	17,659
11,05	10,308	21,348	17,65
11,06	10,286	21,34	17,641
11,07	10,264	21,331	17,633
11,08	10,242	21,323	17,624
11,091	10,219	21,314	17,615
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11,111	10,175	21,296	17,597
11,121	10,153	21,288	17,588
11,131	10,13	21,279	17,579
11,141	10,108	21,27	17,57
11,151	10,086	21,261	17,561
11,161	10,063	21,251	17,551
11,171	10,041	21,242	17,542
11,181	10,018	21,233	17,533
11,192	9,9959	21,224	17,523
11,202	9,9734	21,214	17,514
11,212	9,951	21,205	17,505
11,222	9,9285	21,195	17,495
11,232	9,906	21,185	17,485
11,242	9,8835	21,176	17,476
11,252	9,8611	21,166	17,466
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11,272	9,8161	21,146	17,447
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11,303	9,7486	21,116	17,417
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11,333	9,6811	21,085	17,387
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11,353	9,636	21,064	17,367
11,363	9,6135	21,053	17,356
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11,393	9,5461	21,021	17,325
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11,424	9,4784	20,988	17,294
11,434	9,4558	20,977	17,283
11,444	9,4333	20,966	17,273
11,454	9,4107	20,954	17,262
11,464	9,3882	20,943	17,251
11,474	9,3656	20,932	17,241
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11,504	9,2978	20,897	17,208
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11,524	9,2527	20,873	17,186
11,535	9,2301	20,861	17,175
11,545	9,2075	20,849	17,164
11,555	9,185	20,837	17,153
11,565	9,1624	20,825	17,141
11,575	9,1398	20,813	17,13
11,585	9,1173	20,801	17,119
11,595	9,0947	20,789	17,108
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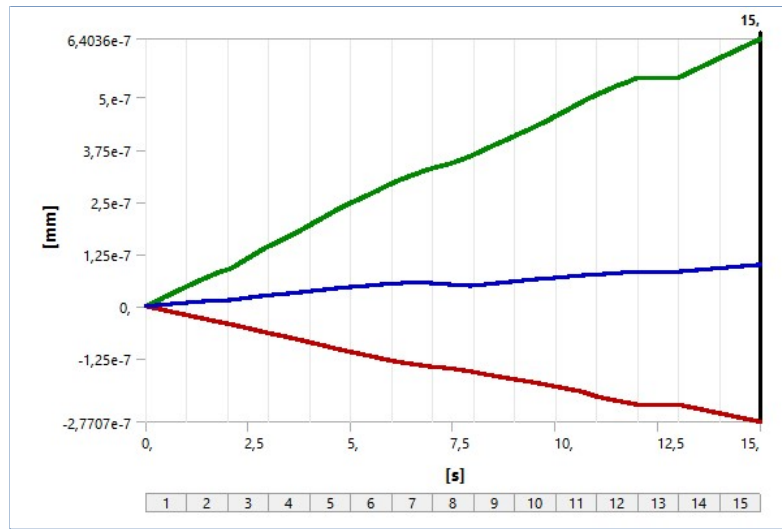
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11,696	8,8693	20,661	16,991
11,706	8,8468	20,648	16,979
11,716	8,8243	20,635	16,967
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11,736	8,7793	20,608	16,943
11,746	8,7569	20,595	16,931
11,757	8,7344	20,582	16,919
11,767	8,712	20,568	16,907
11,777	8,6895	20,554	16,895
11,787	8,6671	20,541	16,882
11,797	8,6447	20,527	16,87
11,807	8,6223	20,513	16,858
11,817	8,5999	20,499	16,845
11,827	8,5776	20,485	16,833
11,837	8,5552	20,471	16,82
11,847	8,5328	20,457	16,808
11,857	8,5105	20,443	16,795
11,868	8,4882	20,428	16,783
11,878	8,4659	20,414	16,77
11,888	8,4436	20,4	16,757
11,898	8,4213	20,385	16,744
11,908	8,3991	20,371	16,732
11,918	8,3768	20,356	16,719
11,928	8,3546	20,341	16,706
11,938	8,3324	20,326	16,693
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11,958	8,288	20,297	16,667
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11,989	8,2216	20,251	16,627
11,999	8,1995	20,236	16,614
12,	8,1966	20,234	16,612
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12,02	8,192	20,24	16,616
12,03	8,1897	20,244	16,618
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12,222	8,1464	20,303	16,656
12,232	8,1441	20,306	16,658
12,242	8,1419	20,309	16,66
12,252	8,1396	20,312	16,662
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12,373	8,1124	20,35	16,686
12,383	8,1101	20,353	16,688
12,393	8,1079	20,356	16,69
12,404	8,1056	20,359	16,692
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12,424	8,1011	20,365	16,696
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12,454	8,0943	20,374	16,702
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12,514	8,0808	20,393	16,714
12,525	8,0785	20,396	16,716
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12,575	8,0672	20,412	16,725
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12,757	8,0268	20,468	16,761
12,767	8,0246	20,471	16,763
12,777	8,0223	20,474	16,765
12,787	8,0201	20,477	16,767
12,797	8,0179	20,481	16,769
12,807	8,0156	20,484	16,771
12,817	8,0134	20,487	16,773
12,827	8,0112	20,49	16,775
12,837	8,0089	20,493	16,778
12,847	8,0067	20,496	16,78
12,857	8,0045	20,499	16,782
12,868	8,0022	20,502	16,784
12,878	8,	20,506	16,786
12,888	7,9978	20,509	16,788
12,898	7,9955	20,512	16,79
12,908	7,9933	20,515	16,792
12,918	7,9911	20,518	16,794
12,928	7,9888	20,521	16,796
12,938	7,9866	20,524	16,798
12,948	7,9844	20,527	16,8
12,958	7,9822	20,53	16,802
12,968	7,9799	20,534	16,804
12,979	7,9777	20,537	16,806
12,989	7,9755	20,54	16,808
12,999	7,9733		
13,	7,973	20,543	16,81
13,01	7,9522	20,528	16,797
13,02	7,9314	20,512	16,784
13,03	7,9107	20,497	16,771
13,04	7,89	20,481	16,758
13,05	7,8693	20,466	16,745
13,061	7,8487	20,45	16,732
13,071	7,8281	20,434	16,719
13,081	7,8075	20,418	16,705
13,091	7,787	20,402	16,692
13,101	7,7665	20,386	16,679
13,111	7,746	20,37	16,665
13,121	7,7256	20,354	16,652
13,131	7,7052	20,338	16,639
13,141	7,6848	20,321	16,625
13,151	7,6645	20,305	16,611
13,161	7,6442	20,288	16,598
13,171	7,6239	20,272	16,584
13,182	7,6037	20,255	16,571
13,192	7,5835	20,238	16,557
13,202	7,5634	20,222	16,543
13,212	7,5433	20,205	16,529
13,222	7,5232	20,188	16,515
13,232	7,5032	20,171	16,501
13,242	7,4832	20,154	16,487
13,252	7,4633	20,137	16,473
13,262	7,4434	20,119	16,459
13,272	7,4235	20,102	16,445
13,282	7,4037	20,085	16,431
13,293	7,3839	20,067	16,417
13,303	7,3642	20,05	16,403
13,313	7,3446	20,032	16,388
13,323	7,3249	20,015	16,374
13,333	7,3054	19,997	16,36
13,343	7,2858	19,979	16,345
13,353	7,2664	19,961	16,331
13,363	7,2469	19,943	16,316

13,373	7,2275	19,925	16,302
13,383	7,2082	19,907	16,287
13,393	7,1889	19,889	16,273
13,404	7,1697	19,871	16,258
13,414	7,1506	19,852	16,243
13,424	7,1314	19,834	16,228
13,434	7,1124	19,816	16,214
13,444	7,0934	19,797	16,199
13,454	7,0744	19,778	16,184
13,464	7,0555	19,76	16,169
13,474	7,0367	19,741	16,154
13,484	7,0179	19,722	16,139
13,494	6,9992	19,703	16,124
13,504	6,9805	19,684	16,109
13,515	6,9619	19,665	16,094
13,525	6,9434	19,646	16,078
13,535	6,9249	19,627	16,063
13,545	6,9065	19,608	16,048
13,555	6,8882	19,589	16,033
13,565	6,8699	19,569	16,017
13,575	6,8516	19,55	16,002
13,585	6,8335	19,53	15,986
13,595	6,8154	19,511	15,971
13,605	6,7974	19,491	15,955
13,615	6,7794	19,471	15,94
13,625	6,7615	19,452	15,924
13,636	6,7437	19,432	15,909
13,646	6,726	19,412	15,893
13,656	6,7083	19,392	15,877
13,666	6,6907	19,372	15,861
13,676	6,6732	19,352	15,845
13,686	6,6557	19,331	15,83
13,696	6,6383	19,311	15,814
13,706	6,621	19,291	15,798
13,716	6,6038	19,27	15,782
13,726	6,5866	19,25	15,766
13,736	6,5696	19,229	15,75
13,747	6,5526	19,209	15,734
13,757	6,5356	19,188	15,717
13,767	6,5188	19,167	15,701
13,777	6,502	19,146	15,685
13,787	6,4854	19,125	15,669
13,797	6,4688	19,104	15,652
13,807	6,4523	19,083	15,636
13,817	6,4358	19,062	15,62
13,827	6,4195	19,041	15,603
13,837	6,4033	19,02	15,587
13,847	6,3871	18,998	15,57
13,858	6,371	18,977	15,554
13,868	6,355	18,956	15,537
13,878	6,3391	18,934	15,521
13,888	6,3233	18,912	15,504
13,898	6,3076	18,891	15,487
13,908	6,292	18,869	15,47
13,918	6,2764	18,847	15,454
13,928	6,261	18,825	15,437
13,938	6,2457	18,803	15,42
13,948	6,2304	18,781	15,403
13,958	6,2153	18,759	15,386
13,968	6,2002	18,737	15,369
13,979	6,1853	18,715	15,352
13,989	6,1704	18,693	15,335
13,999	6,1557	18,67	15,318
14,	6,1538	18,668	15,316
14,01	6,1393	18,645	15,299
14,02	6,1249	18,622	15,281
14,03	6,1105	18,6	15,264
14,04	6,0963	18,577	15,247
14,05	6,0822	18,554	15,23
14,061	6,0682	18,531	15,212
14,071	6,0543	18,508	15,195
14,081	6,0405	18,485	15,177
14,091	6,0268	18,462	15,16
14,101	6,0132	18,439	15,142
14,111	5,9998	18,416	15,125
14,121	5,9864	18,393	15,107
14,131	5,9731	18,369	15,09
14,141	5,96	18,346	15,072
14,151	5,947	18,322	15,054
14,161	5,9341	18,299	15,037
14,172	5,9213	18,275	15,019
14,182	5,9086	18,252	15,001
14,192	5,896	18,228	14,983
14,202	5,8836	18,204	14,965
14,212	5,8712	18,18	14,947
14,222	5,859	18,156	14,929
14,232	5,8469	18,132	14,911

	5,835	18,108	14,893
14,252	5,8231	18,084	14,875
14,262	5,8114	18,06	14,857
14,272	5,7998	18,036	14,839
14,282	5,7883	18,011	14,821
14,293	5,7769	17,987	14,803
14,303	5,7657	17,962	14,785
14,313	5,7546	17,938	14,766
14,323	5,7436	17,913	14,748
14,333	5,7328	17,889	14,73
14,343	5,7221	17,864	14,711
14,353	5,7115	17,839	14,693
14,363	5,701	17,814	14,674
14,373	5,6907	17,789	14,656
14,383	5,6805	17,764	14,638
14,393	5,6704	17,739	14,619
14,404	5,6605	17,714	14,6
14,414	5,6507	17,689	14,582
14,424	5,6411	17,664	14,563
14,434	5,6316	17,639	14,545
14,444	5,6222	17,613	14,526
14,454	5,6129	17,588	14,507
14,464	5,6038	17,562	14,488
14,474	5,5948	17,537	14,47
14,484	5,586	17,511	14,451
14,494	5,5773	17,485	14,432
14,504	5,5688	17,46	14,413
14,514	5,5604	17,434	14,394
14,525	5,5521	17,408	14,375
14,535	5,544	17,382	14,356
14,545	5,536	17,356	14,337
14,555	5,5282	17,33	14,318
14,565	5,5205	17,304	14,299
14,575	5,513	17,278	14,28
14,585	5,5056	17,251	14,261
14,595	5,4983	17,225	14,242
14,605	5,4912	17,199	14,222
14,615	5,4843	17,172	14,203
14,625	5,4775	17,146	14,184
14,635	5,4708	17,119	14,165
14,646	5,4643	17,093	14,145
14,656	5,458	17,066	14,126
14,666	5,4518	17,039	14,107
14,676	5,4457	17,012	14,087
14,686	5,4398	16,986	14,068
14,696	5,4341	16,959	14,048
14,706	5,4285	16,932	14,029
14,716	5,4231	16,905	14,009
14,726	5,4178	16,878	13,99
14,736	5,4127	16,85	13,97
14,746	5,4077	16,823	13,95
14,756	5,4029	16,796	13,931
14,767	5,3982	16,769	13,911
14,777	5,3937	16,741	13,891
14,787	5,3894	16,714	13,872
14,797	5,3852	16,686	13,852
14,807	5,3812	16,659	13,832
14,817	5,3773	16,631	13,812
14,827	5,3736	16,603	13,793
14,837	5,37	16,576	13,773
14,847	5,3666	16,548	13,753
14,857	5,3634	16,52	13,733
14,867	5,3603	16,492	13,713
14,877	5,3573	16,464	13,693
14,887	5,3546	16,436	13,673
14,898	5,352	16,408	13,653
14,908	5,3495	16,38	13,633
14,918	5,3472	16,351	13,613
14,928	5,3451	16,323	13,593
14,938	5,3431	16,295	13,573
14,948	5,3413	16,266	13,552
14,958	5,3397	16,238	13,532
14,968	5,3382	16,209	13,512
14,978	5,3368	16,181	13,492
14,988	5,3357	16,152	13,472
14,998	5,3347	16,123	13,451
15,	5,3345	16,119	13,448

**FIGURE 46**  
**Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Directional Deformation A X**



**TABLE 39**  
**Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Directional Deformation A X**

Time [s]	Minimum [mm]	Maximum [mm]	Average [mm]
1,1755e-038	0,	0,	0,
1,0443e-002	-2,2257e-010	5,0108e-010	9,0481e-011
2,0904e-002	-4,4592e-010	1,0039e-009	1,8127e-010
3,1366e-002	-6,6925e-010	1,5067e-009	2,7207e-010
4,1827e-002	-8,9259e-010	2,0095e-009	3,6286e-010
5,2289e-002	-1,1159e-009	2,5123e-009	4,5365e-010
6,275e-002	-1,3393e-009	3,0151e-009	5,4444e-010
7,3211e-002	-1,5626e-009	3,5179e-009	6,3522e-010
8,3672e-002	-1,7859e-009	4,0206e-009	7,2601e-010
9,4132e-002	-2,0092e-009	4,5233e-009	8,1679e-010
0,10459	-2,2325e-009	5,026e-009	9,0756e-010
0,11505	-2,4558e-009	5,5287e-009	9,9833e-010
0,12551	-2,679e-009	6,0313e-009	1,0891e-009
0,13597	-2,9023e-009	6,5339e-009	1,1799e-009
0,14643	-3,1255e-009	7,0365e-009	1,2706e-009
0,15689	-3,3487e-009	7,5391e-009	1,3614e-009
0,16735	-3,5719e-009	8,0415e-009	1,4521e-009
0,17781	-3,7951e-009	8,544e-009	1,5429e-009
0,18826	-4,0183e-009	9,0464e-009	1,6336e-009
0,19872	-4,2414e-009	9,5487e-009	1,7243e-009
0,20918	-4,4645e-009	1,0051e-008	1,815e-009
0,21963	-4,6876e-009	1,0553e-008	1,9057e-009
0,23009	-4,9107e-009	1,1055e-008	1,9964e-009
0,24054	-5,1337e-009	1,1557e-008	2,0871e-009
0,25099	-5,3566e-009	1,2059e-008	2,1778e-009
0,26145	-5,5796e-009	1,2561e-008	2,2685e-009
0,2719	-5,8024e-009	1,3062e-008	2,3591e-009
0,28235	-6,0251e-009	1,3564e-008	2,4498e-009
0,2928	-6,2481e-009	1,4064e-008	2,5401e-009
0,30326	-6,4713e-009	1,4563e-008	2,6299e-009
0,31371	-6,6948e-009	1,5059e-008	2,7192e-009
0,32417	-6,9184e-009	1,5556e-008	2,8085e-009
0,33464	-7,1419e-009	1,6053e-008	2,8981e-009
0,3451	-7,3653e-009	1,6551e-008	2,9877e-009
0,35556	-7,5888e-009	1,7048e-008	3,0773e-009
0,36602	-7,8125e-009	1,7545e-008	3,1666e-009
0,37648	-8,0362e-009	1,8042e-008	3,256e-009
0,38694	-8,2598e-009	1,854e-008	3,3453e-009
0,3974	-8,4836e-009	1,9036e-008	3,4345e-009
0,40786	-8,7073e-009	1,9533e-008	3,5237e-009
0,41832	-8,931e-009	2,003e-008	3,6128e-009
0,42878	-9,1546e-009	2,0526e-008	3,7019e-009
0,43924	-9,3782e-009	2,1022e-008	3,7909e-009
0,4497	-9,6018e-009	2,1519e-008	3,88e-009
0,46016	-9,8253e-009	2,2015e-008	3,9691e-009
0,47062	-1,0049e-008	2,2511e-008	4,0581e-009
0,48108	-1,0272e-008	2,3007e-008	4,1472e-009
0,49154	-1,0496e-008	2,3503e-008	4,2362e-009
0,502	-1,0719e-008	2,3998e-008	4,3252e-009
0,51246	-1,0942e-008	2,4494e-008	4,4142e-009
0,52292	-1,1166e-008	2,4989e-008	4,5032e-009
0,53337	-1,1389e-008	2,5485e-008	4,5922e-009
0,54383	-1,1612e-008	2,598e-008	4,6812e-009
0,55429	-1,1835e-008	2,6475e-008	4,7701e-009
0,56475	-1,2058e-008	2,697e-008	4,859e-009
0,57521	-1,2281e-008	2,7465e-008	4,9479e-009
0,58567	-1,2504e-008	2,7959e-008	5,0368e-009
0,59613	-1,2727e-008	2,8454e-008	5,1257e-009
0,60658	-1,295e-008	2,8948e-008	5,214e-009
0,61704	-1,3174e-008	2,9441e-008	5,302e-009

0,6275	-1,3397e-008	2,9934e-008	5,3899e-009
0,63796	-1,3621e-008	3,0427e-008	5,4779e-009
0,64842	-1,3844e-008	3,092e-008	5,5658e-009
0,65887	-1,4068e-008	3,1412e-008	5,6537e-009
0,66933	-1,4291e-008	3,1904e-008	5,7416e-009
0,67979	-1,4514e-008	3,2396e-008	5,8295e-009
0,69025	-1,4737e-008	3,2887e-008	5,9173e-009
0,70071	-1,496e-008	3,3378e-008	6,0051e-009
0,71117	-1,5183e-008	3,3868e-008	6,0921e-009
0,72162	-1,5407e-008	3,4358e-008	6,179e-009
0,73208	-1,563e-008	3,4847e-008	6,2659e-009
0,74254	-1,5853e-008	3,5335e-008	6,3528e-009
0,753	-1,6076e-008	3,5823e-008	6,4394e-009
0,76346	-1,63e-008	3,6311e-008	6,5258e-009
0,77392	-1,6523e-008	3,6798e-008	6,6122e-009
0,78438	-1,6746e-008	3,7285e-008	6,6985e-009
0,79484	-1,6969e-008	3,7771e-008	6,7848e-009
0,80529	-1,7192e-008	3,8257e-008	6,871e-009
0,81575	-1,7415e-008	3,8743e-008	6,9568e-009
0,82621	-1,7638e-008	3,9229e-008	7,0426e-009
0,83667	-1,7862e-008	3,9714e-008	7,1285e-009
0,84713	-1,8085e-008	4,0199e-008	7,2142e-009
0,85759	-1,8307e-008	4,0683e-008	7,3e-009
0,86805	-1,853e-008	4,1168e-008	7,3857e-009
0,8785	-1,8753e-008	4,1652e-008	7,4714e-009
0,88896	-1,8975e-008	4,2135e-008	7,5569e-009
0,89942	-1,9199e-008	4,2618e-008	7,6416e-009
0,90988	-1,9422e-008	4,31e-008	7,7263e-009
0,92033	-1,9645e-008	4,3582e-008	7,811e-009
0,93079	-1,9868e-008	4,4063e-008	7,8956e-009
0,94124	-2,009e-008	4,4545e-008	7,9802e-009
0,9517	-2,0313e-008	4,5026e-008	8,0647e-009
0,96216	-2,0536e-008	4,5507e-008	8,1492e-009
0,97261	-2,0758e-008	4,5987e-008	8,2338e-009
0,98307	-2,098e-008	4,6467e-008	8,3182e-009
0,99352	-2,1203e-008	4,6948e-008	8,4027e-009
1,	-2,134e-008	4,7245e-008	8,455e-009
1,0105	-2,1563e-008	4,7724e-008	8,539e-009
1,0209	-2,1786e-008	4,8203e-008	8,6225e-009
1,0314	-2,2009e-008	4,8681e-008	8,7059e-009
1,0418	-2,2231e-008	4,9159e-008	8,7894e-009
1,0523	-2,2454e-008	4,9637e-008	8,8728e-009
1,0627	-2,2677e-008	5,0115e-008	8,9561e-009
1,0732	-2,2899e-008	5,0592e-008	9,0395e-009
1,0836	-2,3121e-008	5,1069e-008	9,1228e-009
1,0941	-2,3344e-008	5,1546e-008	9,2061e-009
1,1045	-2,3566e-008	5,2023e-008	9,2893e-009
1,115	-2,3788e-008	5,25e-008	9,3726e-009
1,1255	-2,401e-008	5,2977e-008	9,4558e-009
1,1359	-2,4232e-008	5,3453e-008	9,539e-009
1,1464	-2,4454e-008	5,393e-008	9,6221e-009
1,1568	-2,4676e-008	5,4406e-008	9,7053e-009
1,1673	-2,4898e-008	5,4882e-008	9,7884e-009
1,1777	-2,512e-008	5,5358e-008	9,8713e-009
1,1882	-2,5342e-008	5,5832e-008	9,9535e-009
1,1986	-2,5565e-008	5,6307e-008	1,0036e-008
1,2091	-2,5787e-008	5,6782e-008	1,0118e-008
1,2195	-2,601e-008	5,7257e-008	1,02e-008
1,23	-2,6232e-008	5,7731e-008	1,0282e-008
1,2404	-2,6454e-008	5,8206e-008	1,0365e-008
1,2509	-2,6676e-008	5,8681e-008	1,0447e-008
1,2613	-2,6898e-008	5,9156e-008	1,053e-008
1,2718	-2,712e-008	5,963e-008	1,0612e-008
1,2823	-2,7342e-008	6,0104e-008	1,0694e-008
1,2927	-2,7564e-008	6,0578e-008	1,0776e-008
1,3032	-2,7786e-008	6,1052e-008	1,0858e-008
1,3136	-2,8008e-008	6,1526e-008	1,094e-008
1,3241	-2,823e-008	6,1999e-008	1,1022e-008
1,3345	-2,8452e-008	6,2473e-008	1,1104e-008
1,345	-2,8674e-008	6,2947e-008	1,1186e-008
1,3554	-2,8896e-008	6,342e-008	1,1268e-008
1,3659	-2,9119e-008	6,3894e-008	1,1349e-008
1,3763	-2,9341e-008	6,4368e-008	1,1431e-008
1,3868	-2,9563e-008	6,484e-008	1,1512e-008
1,3972	-2,9784e-008	6,531e-008	1,1593e-008
1,4077	-3,0006e-008	6,5778e-008	1,1672e-008
1,4181	-3,0227e-008	6,6244e-008	1,1752e-008
1,4286	-3,0448e-008	6,6709e-008	1,183e-008
1,439	-3,0669e-008	6,717e-008	1,1908e-008
1,4495	-3,089e-008	6,7628e-008	1,1984e-008
1,4599	-3,1111e-008	6,8085e-008	1,206e-008
1,4704	-3,1331e-008	6,8541e-008	1,2136e-008
1,4808	-3,1552e-008	6,8996e-008	1,2212e-008
1,4913	-3,1772e-008	6,9451e-008	1,2287e-008
1,5017	-3,1993e-008	6,9903e-008	1,2361e-008
1,5122	-3,2213e-008	7,0354e-008	1,2435e-008
1,5226	-3,2432e-008	7,0802e-008	1,2508e-008

	-3,2652e-008	7,1248e-008	1,2581e-008
1,5435	-3,2871e-008	7,1691e-008	1,2652e-008
1,554	-3,309e-008	7,2133e-008	1,2723e-008
1,5644	-3,3309e-008	7,2571e-008	1,2792e-008
1,5749	-3,3527e-008	7,3007e-008	1,2861e-008
1,5853	-3,3745e-008	7,344e-008	1,2929e-008
1,5958	-3,3963e-008	7,3871e-008	1,2996e-008
1,6062	-3,4181e-008	7,4299e-008	1,3062e-008
1,6167	-3,4398e-008	7,4724e-008	1,3127e-008
1,6271	-3,4615e-008	7,5146e-008	1,3191e-008
1,6376	-3,4832e-008	7,5566e-008	1,3254e-008
1,648	-3,5048e-008	7,5983e-008	1,3317e-008
1,6585	-3,5265e-008	7,6398e-008	1,3378e-008
1,669	-3,5481e-008	7,681e-008	1,3439e-008
1,6794	-3,5697e-008	7,7219e-008	1,3498e-008
1,6899	-3,5912e-008	7,7625e-008	1,3556e-008
1,7003	-3,6127e-008	7,8028e-008	1,3613e-008
1,7108	-3,6341e-008	7,8419e-008	1,3666e-008
1,7212	-3,6554e-008	7,8804e-008	1,3716e-008
1,7317	-3,6767e-008	7,9185e-008	1,3765e-008
1,7421	-3,698e-008	7,9563e-008	1,3813e-008
1,7526	-3,7192e-008	7,9937e-008	1,3859e-008
1,763	-3,7404e-008	8,0306e-008	1,3904e-008
1,7735	-3,7615e-008	8,0671e-008	1,3948e-008
1,7839	-3,7826e-008	8,1032e-008	1,399e-008
1,7944	-3,8036e-008	8,1389e-008	1,403e-008
1,8048	-3,8246e-008	8,1742e-008	1,407e-008
1,8153	-3,8455e-008	8,2093e-008	1,4108e-008
1,8257	-3,8664e-008	8,2438e-008	1,4144e-008
1,8362	-3,8873e-008	8,2779e-008	1,418e-008
1,8466	-3,908e-008	8,3115e-008	1,4213e-008
1,8571	-3,9288e-008	8,3448e-008	1,4244e-008
1,8675	-3,9495e-008	8,3778e-008	1,4275e-008
1,878	-3,9702e-008	8,4106e-008	1,4305e-008
1,8885	-3,9908e-008	8,4431e-008	1,4335e-008
1,8989	-4,0115e-008	8,4755e-008	1,4363e-008
1,9094	-4,0321e-008	8,5078e-008	1,4392e-008
1,9198	-4,0527e-008	8,5399e-008	1,4419e-008
1,9303	-4,0733e-008	8,5717e-008	1,4446e-008
1,9407	-4,0939e-008	8,6034e-008	1,4472e-008
1,9512	-4,1144e-008	8,6348e-008	1,4498e-008
1,9616	-4,1349e-008	8,6661e-008	1,4523e-008
1,9721	-4,1554e-008	8,6972e-008	1,4547e-008
1,9825	-4,1758e-008	8,728e-008	1,457e-008
1,993	-4,1962e-008	8,7587e-008	1,4593e-008
2,	-4,2099e-008	8,7792e-008	1,4608e-008
2,0105	-4,2302e-008	8,8096e-008	1,4629e-008
2,0209	-4,2506e-008	8,8401e-008	1,4651e-008
2,0313	-4,2723e-008	8,8859e-008	1,4727e-008
2,0417	-4,294e-008	8,9316e-008	1,4803e-008
2,0521	-4,3156e-008	8,9772e-008	1,4878e-008
2,0625	-4,3372e-008	9,0228e-008	1,4954e-008
2,0729	-4,3589e-008	9,0686e-008	1,503e-008
2,0833	-4,3816e-008	9,1243e-008	1,5142e-008
2,0937	-4,4045e-008	9,1815e-008	1,5259e-008
2,1041	-4,4274e-008	9,2387e-008	1,5376e-008
2,1145	-4,4504e-008	9,2961e-008	1,5493e-008
2,1249	-4,4733e-008	9,3534e-008	1,5611e-008
2,1353	-4,4963e-008	9,4108e-008	1,5728e-008
2,1457	-4,5193e-008	9,4683e-008	1,5846e-008
2,1562	-4,5423e-008	9,5258e-008	1,5964e-008
2,1666	-4,5653e-008	9,5833e-008	1,6082e-008
2,177	-4,5883e-008	9,6407e-008	1,62e-008
2,1874	-4,6113e-008	9,6982e-008	1,6318e-008
2,1978	-4,6344e-008	9,7559e-008	1,6437e-008
2,2082	-4,6575e-008	9,8141e-008	1,6557e-008
2,2186	-4,6807e-008	9,873e-008	1,6681e-008
2,229	-4,7039e-008	9,9321e-008	1,6805e-008
2,2394	-4,7272e-008	9,9914e-008	1,6929e-008
2,2499	-4,7505e-008	1,0051e-007	1,7055e-008
2,2603	-4,7739e-008	1,0111e-007	1,7182e-008
2,2707	-4,7973e-008	1,0171e-007	1,7312e-008
2,2811	-4,8208e-008	1,0232e-007	1,7442e-008
2,2915	-4,8443e-008	1,0294e-007	1,7574e-008
2,3019	-4,8678e-008	1,0355e-007	1,7706e-008
2,3123	-4,8913e-008	1,0416e-007	1,7838e-008
2,3227	-4,9149e-008	1,0478e-007	1,7972e-008
2,3331	-4,9385e-008	1,0539e-007	1,8105e-008
2,3435	-4,9622e-008	1,0601e-007	1,8239e-008
2,3539	-4,9858e-008	1,0663e-007	1,8373e-008
2,3643	-5,0095e-008	1,0725e-007	1,8507e-008
2,3747	-5,0332e-008	1,0787e-007	1,8642e-008
2,3851	-5,0569e-008	1,0849e-007	1,8778e-008
2,3955	-5,0807e-008	1,0911e-007	1,8914e-008
2,4059	-5,1045e-008	1,0973e-007	1,9051e-008
2,4163	-5,1282e-008	1,1036e-007	1,9188e-008
2,4267	-5,152e-008	1,1098e-007	1,9325e-008



	-5,1759e-008	1,1161e-007	1,9462e-008
2,4475	-5,1997e-008	1,1224e-007	1,96e-008
2,4579	-5,2235e-008	1,1286e-007	1,9736e-008
2,4684	-5,2473e-008	1,1347e-007	1,9871e-008
2,4788	-5,271e-008	1,1409e-007	2,0005e-008
2,4892	-5,2948e-008	1,1471e-007	2,0141e-008
2,4996	-5,3186e-008	1,1533e-007	2,0276e-008
2,51	-5,3424e-008	1,1595e-007	2,0412e-008
2,5204	-5,3662e-008	1,1657e-007	2,0548e-008
2,5308	-5,39e-008	1,1719e-007	2,0684e-008
2,5412	-5,4139e-008	1,1781e-007	2,082e-008
2,5516	-5,4377e-008	1,1844e-007	2,0956e-008
2,562	-5,4615e-008	1,1906e-007	2,1092e-008
2,5724	-5,4853e-008	1,1968e-007	2,1228e-008
2,5828	-5,5092e-008	1,203e-007	2,1365e-008
2,5932	-5,533e-008	1,2092e-007	2,1501e-008
2,6036	-5,5569e-008	1,2154e-007	2,1637e-008
2,614	-5,5807e-008	1,2216e-007	2,1773e-008
2,6244	-5,6045e-008	1,2278e-007	2,1909e-008
2,6348	-5,6284e-008	1,234e-007	2,2046e-008
2,6452	-5,6522e-008	1,2402e-007	2,2182e-008
2,6556	-5,6761e-008	1,2464e-007	2,2318e-008
2,666	-5,7e-008	1,2526e-007	2,2453e-008
2,6764	-5,7239e-008	1,2587e-007	2,2589e-008
2,6868	-5,7478e-008	1,2649e-007	2,2724e-008
2,6972	-5,7717e-008	1,2711e-007	2,2859e-008
2,7076	-5,7955e-008	1,2773e-007	2,2994e-008
2,718	-5,8194e-008	1,2834e-007	2,3129e-008
2,7284	-5,8432e-008	1,2896e-007	2,3264e-008
2,7388	-5,8671e-008	1,2957e-007	2,3398e-008
2,7492	-5,8909e-008	1,3018e-007	2,3532e-008
2,7596	-5,9146e-008	1,3079e-007	2,3663e-008
2,77	-5,9382e-008	1,3139e-007	2,3792e-008
2,7804	-5,9617e-008	1,3198e-007	2,392e-008
2,7908	-5,9852e-008	1,3258e-007	2,4047e-008
2,8012	-6,0088e-008	1,3317e-007	2,4175e-008
2,8116	-6,0323e-008	1,3377e-007	2,4303e-008
2,822	-6,0558e-008	1,3436e-007	2,443e-008
2,8324	-6,0793e-008	1,3496e-007	2,4556e-008
2,8428	-6,1027e-008	1,3555e-007	2,4682e-008
2,8532	-6,1262e-008	1,3614e-007	2,4808e-008
2,8636	-6,1494e-008	1,3671e-007	2,4925e-008
2,874	-6,1724e-008	1,3727e-007	2,5042e-008
2,8844	-6,1955e-008	1,3784e-007	2,5158e-008
2,8948	-6,2186e-008	1,384e-007	2,5274e-008
2,9052	-6,2417e-008	1,3897e-007	2,5389e-008
2,9156	-6,2648e-008	1,3953e-007	2,5505e-008
2,926	-6,2878e-008	1,401e-007	2,562e-008
2,9364	-6,3109e-008	1,4066e-007	2,5736e-008
2,9468	-6,3337e-008	1,4121e-007	2,5845e-008
2,9572	-6,3566e-008	1,417e-007	2,5933e-008
2,9676	-6,3776e-008	1,4219e-007	2,6021e-008
2,978	-6,3995e-008	1,4268e-007	2,6109e-008
2,9884	-6,4213e-008	1,4317e-007	2,6196e-008
2,9987	-6,4432e-008	1,4366e-007	2,6284e-008
3,	-6,4459e-008	1,4372e-007	2,6295e-008
3,0104	-6,4678e-008	1,4421e-007	2,6383e-008
3,0208	-6,4898e-008	1,4471e-007	2,6472e-008
3,0312	-6,5117e-008	1,452e-007	2,656e-008
3,0416	-6,5336e-008	1,4569e-007	2,6649e-008
3,052	-6,5556e-008	1,4618e-007	2,6737e-008
3,0624	-6,5776e-008	1,4668e-007	2,6826e-008
3,0728	-6,5996e-008	1,4717e-007	2,6916e-008
3,0832	-6,6216e-008	1,4767e-007	2,7005e-008
3,0936	-6,6436e-008	1,4816e-007	2,7094e-008
3,104	-6,6657e-008	1,4866e-007	2,7184e-008
3,1145	-6,6878e-008	1,4916e-007	2,7274e-008
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3,1353	-6,7318e-008	1,5016e-007	2,7455e-008
3,1457	-6,7539e-008	1,5066e-007	2,7546e-008
3,1561	-6,7761e-008	1,5116e-007	2,7637e-008
3,1665	-6,7983e-008	1,5166e-007	2,7727e-008
3,1769	-6,8206e-008	1,5216e-007	2,7818e-008
3,1873	-6,8428e-008	1,5266e-007	2,7908e-008
3,1977	-6,865e-008	1,5316e-007	2,7999e-008
3,2081	-6,8873e-008	1,5366e-007	2,8089e-008
3,2185	-6,9095e-008	1,5416e-007	2,818e-008
3,2289	-6,9317e-008	1,5466e-007	2,827e-008
3,2393	-6,9539e-008	1,5516e-007	2,8361e-008
3,2497	-6,9761e-008	1,5566e-007	2,8452e-008
3,2601	-6,9983e-008	1,5616e-007	2,8543e-008
3,2705	-7,0205e-008	1,5666e-007	2,8633e-008
3,2809	-7,0427e-008	1,5716e-007	2,8724e-008
3,2913	-7,0649e-008	1,5766e-007	2,8814e-008
3,3017	-7,0871e-008	1,5816e-007	2,8905e-008
3,3121	-7,1093e-008	1,5866e-007	2,8995e-008
3,3225	-7,1314e-008	1,5916e-007	2,9086e-008

	-7,1536e-008	1,5966e-007	2,9176e-008
3,3433	-7,1757e-008	1,6016e-007	2,9267e-008
3,3536	-7,1979e-008	1,6066e-007	2,9357e-008
3,364	-7,22e-008	1,6116e-007	2,9448e-008
3,3744	-7,2422e-008	1,6166e-007	2,9538e-008
3,3848	-7,2643e-008	1,6216e-007	2,9628e-008
3,3952	-7,2864e-008	1,6266e-007	2,9719e-008
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3,4159	-7,3306e-008	1,6366e-007	2,9899e-008
3,4263	-7,3527e-008	1,6415e-007	2,9988e-008
3,4367	-7,3748e-008	1,6465e-007	3,0076e-008
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3,4991	-7,5076e-008	1,6764e-007	3,0617e-008
3,5095	-7,5298e-008	1,6814e-007	3,0709e-008
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3,551	-7,6196e-008	1,7019e-007	3,1086e-008
3,5614	-7,6423e-008	1,7071e-007	3,1184e-008
3,5718	-7,6652e-008	1,7124e-007	3,1283e-008
3,5822	-7,688e-008	1,7177e-007	3,1383e-008
3,5926	-7,7109e-008	1,723e-007	3,1483e-008
3,603	-7,7338e-008	1,7283e-007	3,1584e-008
3,6134	-7,7568e-008	1,7336e-007	3,1686e-008
3,6237	-7,7798e-008	1,739e-007	3,1788e-008
3,6341	-7,8029e-008	1,7443e-007	3,1891e-008
3,6445	-7,826e-008	1,7497e-007	3,1995e-008
3,6549	-7,8492e-008	1,7552e-007	3,21e-008
3,6653	-7,8724e-008	1,7606e-007	3,2205e-008
3,6756	-7,8956e-008	1,7661e-007	3,2311e-008
3,686	-7,9189e-008	1,7716e-007	3,2417e-008
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3,7068	-7,9657e-008	1,7826e-007	3,2632e-008
3,7171	-7,9891e-008	1,7881e-007	3,274e-008
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3,7379	-8,0362e-008	1,7992e-007	3,2958e-008
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3,7586	-8,0833e-008	1,8104e-007	3,3178e-008
3,769	-8,1069e-008	1,816e-007	3,3289e-008
3,7793	-8,1305e-008	1,8216e-007	3,3399e-008
3,7897	-8,1542e-008	1,8272e-007	3,3509e-008
3,8001	-8,178e-008	1,8328e-007	3,3619e-008
3,8105	-8,2017e-008	1,8384e-007	3,373e-008
3,8209	-8,2255e-008	1,844e-007	3,3841e-008
3,8313	-8,2493e-008	1,8497e-007	3,3953e-008
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3,852	-8,2971e-008	1,8611e-007	3,4179e-008
3,8624	-8,3213e-008	1,8668e-007	3,4295e-008
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3,8935	-8,3942e-008	1,8843e-007	3,4647e-008
3,9039	-8,4186e-008	1,8902e-007	3,4765e-008
3,9143	-8,4429e-008	1,896e-007	3,4883e-008
3,9246	-8,4673e-008	1,9019e-007	3,5001e-008
3,935	-8,4917e-008	1,9077e-007	3,5119e-008
3,9454	-8,5161e-008	1,9135e-007	3,5237e-008
3,9558	-8,5406e-008	1,9194e-007	3,5354e-008
3,9661	-8,565e-008	1,9252e-007	3,5472e-008
3,9765	-8,5894e-008	1,9311e-007	3,5589e-008
3,9869	-8,6138e-008	1,9369e-007	3,5707e-008
3,9973	-8,6383e-008	1,9427e-007	3,5824e-008
4,	-8,6448e-008	1,9443e-007	3,5855e-008
4,0104	-8,6692e-008	1,9501e-007	3,5972e-008
4,0207	-8,6936e-008	1,9559e-007	3,6088e-008
4,0311	-8,7181e-008	1,9617e-007	3,6205e-008
4,0415	-8,7425e-008	1,9676e-007	3,6321e-008
4,0518	-8,767e-008	1,9734e-007	3,6438e-008
4,0622	-8,7914e-008	1,9792e-007	3,6553e-008
4,0726	-8,8159e-008	1,985e-007	3,6669e-008
4,0829	-8,8403e-008	1,9907e-007	3,6784e-008
4,0933	-8,8647e-008	1,9965e-007	3,6899e-008
4,1036	-8,8891e-008	2,0023e-007	3,7012e-008
4,1139	-8,913e-008	2,0079e-007	3,7123e-008
4,1242	-8,9373e-008	2,0136e-007	3,7236e-008
4,1346	-8,9617e-008	2,0193e-007	3,7348e-008
4,1447	-8,9853e-008	2,0248e-007	3,7457e-008
4,1551	-9,0096e-008	2,0305e-007	3,7569e-008
4,1654	-9,034e-008	2,0362e-007	3,768e-008
4,1758	-9,0584e-008	2,0419e-007	3,7791e-008
4,186	-9,0824e-008	2,0475e-007	3,79e-008
4,1962	-9,1061e-008	2,053e-007	3,8007e-008
4,2065	-9,1305e-008	2,0587e-007	3,8116e-008
4,2168	-9,155e-008	2,0643e-007	3,8226e-008

	-9,1796e-008	2,07e-007	3,8335e-008
4,2375	-9,2041e-008	2,0756e-007	3,8444e-008
4,2479	-9,2286e-008	2,0813e-007	3,8553e-008
4,2582	-9,2531e-008	2,0869e-007	3,8661e-008
4,2681	-9,2761e-008	2,0922e-007	3,8761e-008
4,2785	-9,3006e-008	2,0977e-007	3,8864e-008
4,2888	-9,325e-008	2,1032e-007	3,8968e-008
4,2991	-9,3494e-008	2,1087e-007	3,9071e-008
4,3094	-9,3736e-008	2,1141e-007	3,9174e-008
4,3198	-9,3982e-008	2,1197e-007	3,9279e-008
4,3301	-9,4228e-008	2,1252e-007	3,9384e-008
4,3405	-9,4473e-008	2,1308e-007	3,949e-008
4,3508	-9,472e-008	2,1364e-007	3,9596e-008
4,3612	-9,4967e-008	2,142e-007	3,9702e-008
4,3715	-9,5215e-008	2,1476e-007	3,981e-008
4,3819	-9,5462e-008	2,1532e-007	3,9917e-008
4,3922	-9,5709e-008	2,1588e-007	4,0024e-008
4,4026	-9,5957e-008	2,1644e-007	4,0132e-008
4,4129	-9,6205e-008	2,1701e-007	4,024e-008
4,4233	-9,6454e-008	2,1758e-007	4,035e-008
4,4336	-9,6705e-008	2,1815e-007	4,0461e-008
4,444	-9,6955e-008	2,1872e-007	4,0572e-008
4,4543	-9,7207e-008	2,193e-007	4,0684e-008
4,4647	-9,7458e-008	2,1987e-007	4,0795e-008
4,475	-9,771e-008	2,2045e-007	4,0907e-008
4,4853	-9,7964e-008	2,2102e-007	4,1021e-008
4,4957	-9,8218e-008	2,2161e-007	4,1135e-008
4,506	-9,8473e-008	2,2219e-007	4,1249e-008
4,5164	-9,8727e-008	2,2277e-007	4,1363e-008
4,5267	-9,8982e-008	2,2335e-007	4,1477e-008
4,537	-9,9238e-008	2,2394e-007	4,1592e-008
4,5474	-9,9494e-008	2,2453e-007	4,1708e-008
4,5577	-9,975e-008	2,2511e-007	4,1824e-008
4,568	-1,0001e-007	2,257e-007	4,194e-008
4,5784	-1,0026e-007	2,2629e-007	4,2057e-008
4,5887	-1,0053e-007	2,2689e-007	4,2175e-008
4,5991	-1,0079e-007	2,275e-007	4,2294e-008
4,6095	-1,0106e-007	2,281e-007	4,2414e-008
4,6198	-1,0132e-007	2,2871e-007	4,2534e-008
4,6302	-1,0159e-007	2,2931e-007	4,2654e-008
4,6405	-1,0186e-007	2,2992e-007	4,2775e-008
4,6509	-1,0212e-007	2,3051e-007	4,2891e-008
4,6613	-1,0235e-007	2,3104e-007	4,299e-008
4,6716	-1,0259e-007	2,3157e-007	4,3087e-008
4,682	-1,0282e-007	2,3209e-007	4,3183e-008
4,6923	-1,0305e-007	2,3261e-007	4,3279e-008
4,7027	-1,0329e-007	2,3313e-007	4,3375e-008
4,713	-1,0352e-007	2,3365e-007	4,347e-008
4,7234	-1,0375e-007	2,3416e-007	4,3564e-008
4,7337	-1,0399e-007	2,3469e-007	4,3662e-008
4,744	-1,0422e-007	2,3521e-007	4,3758e-008
4,7544	-1,0445e-007	2,3573e-007	4,3855e-008
4,7647	-1,0468e-007	2,3625e-007	4,3951e-008
4,7751	-1,0492e-007	2,3677e-007	4,4047e-008
4,7854	-1,0515e-007	2,3729e-007	4,4143e-008
4,7958	-1,0538e-007	2,3781e-007	4,4238e-008
4,8061	-1,0561e-007	2,3833e-007	4,4333e-008
4,8165	-1,0584e-007	2,3885e-007	4,4428e-008
4,8268	-1,0607e-007	2,3936e-007	4,4522e-008
4,8372	-1,063e-007	2,3988e-007	4,4616e-008
4,8475	-1,0653e-007	2,4039e-007	4,4709e-008
4,8579	-1,0676e-007	2,409e-007	4,4803e-008
4,8682	-1,0699e-007	2,4141e-007	4,4896e-008
4,8785	-1,0722e-007	2,4192e-007	4,4988e-008
4,8889	-1,0745e-007	2,4243e-007	4,5081e-008
4,8992	-1,0768e-007	2,4294e-007	4,5172e-008
4,9096	-1,0791e-007	2,4344e-007	4,5264e-008
4,9199	-1,0814e-007	2,4394e-007	4,5354e-008
4,9302	-1,0836e-007	2,4444e-007	4,5444e-008
4,9406	-1,0859e-007	2,4494e-007	4,5532e-008
4,9509	-1,088e-007	2,454e-007	4,5611e-008
4,9612	-1,0901e-007	2,4586e-007	4,5688e-008
4,9716	-1,0921e-007	2,4631e-007	4,5764e-008
4,9819	-1,0942e-007	2,4677e-007	4,5841e-008
4,9923	-1,0963e-007	2,4722e-007	4,5917e-008
5,	-1,0978e-007	2,4756e-007	4,5973e-008
5,0104	-1,0998e-007	2,4801e-007	4,6049e-008
5,0207	-1,1019e-007	2,4846e-007	4,6125e-008
5,031	-1,104e-007	2,4892e-007	4,6201e-008
5,0414	-1,106e-007	2,4937e-007	4,6278e-008
5,0517	-1,1081e-007	2,4982e-007	4,6355e-008
5,0621	-1,1101e-007	2,5028e-007	4,6432e-008
5,0724	-1,1122e-007	2,5074e-007	4,651e-008
5,0828	-1,1142e-007	2,512e-007	4,6588e-008
5,0931	-1,1163e-007	2,5165e-007	4,6666e-008
5,1034	-1,1184e-007	2,5211e-007	4,6743e-008
5,1138	-1,1204e-007	2,5257e-007	4,6819e-008

	-1,1225e-007	2,5303e-007	4,6896e-008
5,1344	-1,1246e-007	2,5349e-007	4,6973e-008
5,1448	-1,1266e-007	2,5394e-007	4,705e-008
5,1551	-1,1287e-007	2,544e-007	4,7127e-008
5,1655	-1,1307e-007	2,5486e-007	4,7205e-008
5,1758	-1,1328e-007	2,5532e-007	4,7282e-008
5,1861	-1,1349e-007	2,5578e-007	4,7359e-008
5,1965	-1,137e-007	2,5624e-007	4,7437e-008
5,2068	-1,139e-007	2,567e-007	4,7515e-008
5,2171	-1,1411e-007	2,5716e-007	4,7593e-008
5,2275	-1,1432e-007	2,5762e-007	4,7672e-008
5,2378	-1,1452e-007	2,5808e-007	4,775e-008
5,2481	-1,1473e-007	2,5855e-007	4,7829e-008
5,2584	-1,1494e-007	2,5901e-007	4,7909e-008
5,2688	-1,1515e-007	2,5947e-007	4,7988e-008
5,2791	-1,1536e-007	2,5994e-007	4,8068e-008
5,2894	-1,1557e-007	2,604e-007	4,8148e-008
5,2997	-1,1577e-007	2,6087e-007	4,8228e-008
5,3101	-1,1598e-007	2,6133e-007	4,8308e-008
5,3204	-1,1619e-007	2,618e-007	4,8386e-008
5,3308	-1,164e-007	2,6226e-007	4,8464e-008
5,3411	-1,1661e-007	2,6273e-007	4,8542e-008
5,3515	-1,1682e-007	2,632e-007	4,862e-008
5,3618	-1,1703e-007	2,6366e-007	4,8698e-008
5,3722	-1,1724e-007	2,6413e-007	4,8776e-008
5,3825	-1,1745e-007	2,646e-007	4,8854e-008
5,3929	-1,1766e-007	2,6506e-007	4,8932e-008
5,4033	-1,1787e-007	2,6552e-007	4,9011e-008
5,4136	-1,1808e-007	2,6599e-007	4,9091e-008
5,4239	-1,1829e-007	2,6645e-007	4,917e-008
5,4343	-1,185e-007	2,6692e-007	4,925e-008
5,4447	-1,1871e-007	2,6739e-007	4,933e-008
5,455	-1,1892e-007	2,6785e-007	4,9409e-008
5,4653	-1,1914e-007	2,6833e-007	4,9493e-008
5,4757	-1,1936e-007	2,6882e-007	4,9583e-008
5,486	-1,1959e-007	2,6932e-007	4,9672e-008
5,4964	-1,1981e-007	2,6981e-007	4,9762e-008
5,5067	-1,2004e-007	2,7031e-007	4,9851e-008
5,517	-1,2026e-007	2,708e-007	4,9941e-008
5,5274	-1,2049e-007	2,713e-007	5,0031e-008
5,5377	-1,2071e-007	2,7179e-007	5,0122e-008
5,548	-1,2094e-007	2,7229e-007	5,0213e-008
5,5583	-1,2117e-007	2,7278e-007	5,0305e-008
5,5687	-1,214e-007	2,7328e-007	5,0397e-008
5,579	-1,2163e-007	2,7378e-007	5,049e-008
5,5893	-1,2186e-007	2,7428e-007	5,0583e-008
5,5996	-1,2209e-007	2,7478e-007	5,0676e-008
5,6099	-1,2232e-007	2,7528e-007	5,0769e-008
5,6203	-1,2255e-007	2,7578e-007	5,0863e-008
5,6306	-1,2278e-007	2,7629e-007	5,0957e-008
5,6409	-1,23e-007	2,7678e-007	5,1049e-008
5,6512	-1,2323e-007	2,7727e-007	5,1141e-008
5,6615	-1,2346e-007	2,7777e-007	5,1233e-008
5,6718	-1,2369e-007	2,7827e-007	5,1325e-008
5,6822	-1,2392e-007	2,7876e-007	5,1417e-008
5,6925	-1,2414e-007	2,7926e-007	5,1509e-008
5,7028	-1,2437e-007	2,7975e-007	5,1601e-008
5,7131	-1,246e-007	2,8024e-007	5,1693e-008
5,7234	-1,2482e-007	2,8074e-007	5,1785e-008
5,7337	-1,2506e-007	2,8124e-007	5,1881e-008
5,7441	-1,2529e-007	2,8175e-007	5,1976e-008
5,7544	-1,2552e-007	2,8226e-007	5,2073e-008
5,7647	-1,2575e-007	2,8277e-007	5,217e-008
5,7751	-1,2599e-007	2,8329e-007	5,2268e-008
5,7854	-1,2622e-007	2,838e-007	5,2365e-008
5,7957	-1,2645e-007	2,8432e-007	5,2463e-008
5,8061	-1,2669e-007	2,8483e-007	5,2561e-008
5,8164	-1,2692e-007	2,8535e-007	5,2659e-008
5,8268	-1,2716e-007	2,8586e-007	5,2757e-008
5,8371	-1,2739e-007	2,8638e-007	5,2854e-008
5,8474	-1,2762e-007	2,869e-007	5,295e-008
5,8577	-1,2786e-007	2,8741e-007	5,3047e-008
5,8681	-1,2809e-007	2,8793e-007	5,3144e-008
5,8784	-1,2832e-007	2,8844e-007	5,324e-008
5,8887	-1,2855e-007	2,8895e-007	5,3331e-008
5,899	-1,2877e-007	2,8945e-007	5,3418e-008
5,9093	-1,2899e-007	2,8996e-007	5,3504e-008
5,9197	-1,2921e-007	2,9046e-007	5,3588e-008
5,93	-1,2943e-007	2,9096e-007	5,3673e-008
5,9401	-1,2964e-007	2,9145e-007	5,3753e-008
5,9504	-1,2984e-007	2,9192e-007	5,3824e-008
5,9607	-1,3004e-007	2,9238e-007	5,3893e-008
5,9711	-1,3024e-007	2,9285e-007	5,3961e-008
5,9814	-1,3043e-007	2,9331e-007	5,4027e-008
5,9917	-1,3062e-007	2,9377e-007	5,4092e-008
6,	-1,3078e-007	2,9414e-007	5,4143e-008
6,0103	-1,3097e-007	2,9459e-007	5,4204e-008

	-1,3116e-007	2,9505e-007	5,4264e-008
6,031	-1,3135e-007	2,955e-007	5,4322e-008
6,0414	-1,3153e-007	2,9595e-007	5,4379e-008
6,0517	-1,3172e-007	2,964e-007	5,4435e-008
6,062	-1,319e-007	2,9684e-007	5,4489e-008
6,0724	-1,3208e-007	2,9728e-007	5,4543e-008
6,0827	-1,3226e-007	2,9772e-007	5,4596e-008
6,093	-1,3244e-007	2,9816e-007	5,4647e-008
6,1034	-1,3262e-007	2,986e-007	5,4697e-008
6,1137	-1,3279e-007	2,9903e-007	5,4746e-008
6,124	-1,3297e-007	2,9947e-007	5,4794e-008
6,1344	-1,3314e-007	2,999e-007	5,484e-008
6,1447	-1,3332e-007	3,0033e-007	5,4885e-008
6,155	-1,3349e-007	3,0075e-007	5,4929e-008
6,1653	-1,3366e-007	3,0118e-007	5,4972e-008
6,1757	-1,3383e-007	3,016e-007	5,5014e-008
6,186	-1,34e-007	3,0202e-007	5,5054e-008
6,1963	-1,3416e-007	3,0244e-007	5,5094e-008
6,2067	-1,3433e-007	3,0285e-007	5,5132e-008
6,217	-1,3449e-007	3,0326e-007	5,5168e-008
6,2273	-1,3465e-007	3,0367e-007	5,5203e-008
6,2376	-1,3481e-007	3,0408e-007	5,5237e-008
6,248	-1,3497e-007	3,0449e-007	5,527e-008
6,2583	-1,3513e-007	3,0489e-007	5,5301e-008
6,2686	-1,3529e-007	3,0529e-007	5,5332e-008
6,2789	-1,3545e-007	3,0569e-007	5,5361e-008
6,2892	-1,3559e-007	3,0608e-007	5,5386e-008
6,2996	-1,3574e-007	3,0647e-007	5,5409e-008
6,3099	-1,3589e-007	3,0685e-007	5,5431e-008
6,3202	-1,3603e-007	3,0723e-007	5,5452e-008
6,3305	-1,3618e-007	3,0761e-007	5,5472e-008
6,3409	-1,3632e-007	3,0799e-007	5,5491e-008
6,3512	-1,3646e-007	3,0837e-007	5,5508e-008
6,3615	-1,366e-007	3,0874e-007	5,5524e-008
6,3719	-1,3674e-007	3,0911e-007	5,5538e-008
6,3822	-1,3688e-007	3,0948e-007	5,5551e-008
6,3925	-1,3702e-007	3,0984e-007	5,5563e-008
6,4028	-1,3716e-007	3,1022e-007	5,5574e-008
6,4132	-1,373e-007	3,106e-007	5,5582e-008
6,4235	-1,3744e-007	3,1098e-007	5,559e-008
6,4338	-1,3758e-007	3,1135e-007	5,5597e-008
6,4441	-1,3772e-007	3,1173e-007	5,5602e-008
6,4545	-1,3786e-007	3,121e-007	5,5606e-008
6,4648	-1,3801e-007	3,1247e-007	5,5609e-008
6,4751	-1,3816e-007	3,1283e-007	5,561e-008
6,4854	-1,3831e-007	3,132e-007	5,5611e-008
6,4957	-1,3846e-007	3,1357e-007	5,5612e-008
6,5061	-1,3861e-007	3,1393e-007	5,5611e-008
6,5164	-1,3876e-007	3,1429e-007	5,561e-008
6,5267	-1,389e-007	3,1466e-007	5,5607e-008
6,537	-1,3905e-007	3,1501e-007	5,5603e-008
6,5473	-1,3919e-007	3,1537e-007	5,5598e-008
6,5576	-1,3934e-007	3,1573e-007	5,5592e-008
6,568	-1,3948e-007	3,1608e-007	5,5585e-008
6,5783	-1,3962e-007	3,1644e-007	5,5577e-008
6,5886	-1,3976e-007	3,1679e-007	5,5567e-008
6,5989	-1,3991e-007	3,1714e-007	5,5557e-008
6,6092	-1,4005e-007	3,1749e-007	5,5545e-008
6,6195	-1,4019e-007	3,1785e-007	5,5542e-008
6,6298	-1,4035e-007	3,1825e-007	5,556e-008
6,6401	-1,4052e-007	3,1864e-007	5,5577e-008
6,6504	-1,4068e-007	3,1904e-007	5,5593e-008
6,6607	-1,4084e-007	3,1943e-007	5,5607e-008
6,671	-1,4099e-007	3,1982e-007	5,562e-008
6,6813	-1,4115e-007	3,202e-007	5,5631e-008
6,6916	-1,413e-007	3,2058e-007	5,5639e-008
6,7019	-1,4145e-007	3,2096e-007	5,5646e-008
6,7121	-1,416e-007	3,2133e-007	5,5651e-008
6,7224	-1,4175e-007	3,217e-007	5,5655e-008
6,7327	-1,419e-007	3,2207e-007	5,5658e-008
6,743	-1,4204e-007	3,2244e-007	5,5659e-008
6,7533	-1,4218e-007	3,228e-007	5,5657e-008
6,7636	-1,4232e-007	3,2316e-007	5,5654e-008
6,7738	-1,4246e-007	3,2352e-007	5,565e-008
6,7841	-1,426e-007	3,2387e-007	5,565e-008
6,7944	-1,4273e-007	3,2419e-007	5,5636e-008
6,8047	-1,4285e-007	3,2451e-007	5,5618e-008
6,815	-1,4297e-007	3,2483e-007	5,5598e-008
6,8253	-1,4309e-007	3,2515e-007	5,5576e-008
6,8356	-1,4321e-007	3,2546e-007	5,5554e-008
6,8459	-1,4333e-007	3,2578e-007	5,553e-008
6,8562	-1,4344e-007	3,2609e-007	5,5505e-008
6,8664	-1,4356e-007	3,264e-007	5,5479e-008
6,8768	-1,437e-007	3,2676e-007	5,5465e-008
6,8872	-1,4383e-007	3,2711e-007	5,5449e-008
6,8975	-1,4397e-007	3,2746e-007	5,5432e-008
6,9079	-1,441e-007	3,2781e-007	5,5412e-008

6,9182	-1,4423e-007	3,2815e-007	5,539e-008
6,9286	-1,4436e-007	3,2849e-007	5,5366e-008
6,939	-1,4448e-007	3,2883e-007	5,5339e-008
6,9493	-1,4461e-007	3,2916e-007	5,5309e-008
6,9597	-1,4473e-007	3,2949e-007	5,5276e-008
6,9701	-1,4484e-007	3,298e-007	5,5238e-008
6,9805	-1,4495e-007	3,301e-007	5,5196e-008
6,9908	-1,4506e-007	3,304e-007	5,5151e-008
7,	-1,4516e-007	3,3066e-007	5,5108e-008
7,0104	-1,4527e-007	3,3095e-007	5,5056e-008
7,0207	-1,4537e-007	3,3124e-007	5,5002e-008
7,0311	-1,4547e-007	3,3152e-007	5,4947e-008
7,0415	-1,4557e-007	3,318e-007	5,4888e-008
7,0518	-1,4567e-007	3,3208e-007	5,4827e-008
7,0622	-1,4577e-007	3,3235e-007	5,4765e-008
7,0726	-1,4587e-007	3,3262e-007	5,4701e-008
7,0829	-1,4596e-007	3,3288e-007	5,4635e-008
7,0933	-1,4605e-007	3,3314e-007	5,4565e-008
7,1036	-1,4614e-007	3,334e-007	5,4494e-008
7,114	-1,4623e-007	3,3366e-007	5,4421e-008
7,1244	-1,4632e-007	3,3391e-007	5,4343e-008
7,1347	-1,464e-007	3,3415e-007	5,4263e-008
7,1451	-1,4648e-007	3,3438e-007	5,4179e-008
7,1554	-1,4656e-007	3,3462e-007	5,4094e-008
7,1658	-1,4664e-007	3,3485e-007	5,4009e-008
7,1761	-1,4672e-007	3,3509e-007	5,3923e-008
7,1865	-1,468e-007	3,3532e-007	5,3836e-008
7,1968	-1,4688e-007	3,3555e-007	5,3748e-008
7,2072	-1,4696e-007	3,3579e-007	5,366e-008
7,2175	-1,4704e-007	3,3602e-007	5,3573e-008
7,2278	-1,4712e-007	3,3625e-007	5,3485e-008
7,2382	-1,4721e-007	3,3649e-007	5,3395e-008
7,2485	-1,4729e-007	3,3672e-007	5,3302e-008
7,2589	-1,4738e-007	3,3698e-007	5,3221e-008
7,2692	-1,4749e-007	3,3725e-007	5,3149e-008
7,2795	-1,4759e-007	3,3752e-007	5,3076e-008
7,2899	-1,4769e-007	3,3779e-007	5,3001e-008
7,3002	-1,4779e-007	3,3806e-007	5,2924e-008
7,3106	-1,4789e-007	3,3832e-007	5,2846e-008
7,3209	-1,4799e-007	3,3859e-007	5,2767e-008
7,3312	-1,4809e-007	3,3885e-007	5,2685e-008
7,3416	-1,4819e-007	3,391e-007	5,2602e-008
7,3519	-1,4829e-007	3,3938e-007	5,2522e-008
7,3623	-1,4841e-007	3,3969e-007	5,2447e-008
7,3727	-1,4854e-007	3,4e-007	5,2368e-008
7,383	-1,4866e-007	3,4031e-007	5,2295e-008
7,3934	-1,488e-007	3,4064e-007	5,223e-008
7,4038	-1,4893e-007	3,4097e-007	5,2163e-008
7,4142	-1,4906e-007	3,413e-007	5,2093e-008
7,4246	-1,492e-007	3,4163e-007	5,2023e-008
7,435	-1,4933e-007	3,4196e-007	5,1956e-008
7,4454	-1,4946e-007	3,4229e-007	5,1888e-008
7,4558	-1,4959e-007	3,4262e-007	5,1822e-008
7,4661	-1,4972e-007	3,4295e-007	5,1754e-008
7,4765	-1,4985e-007	3,4328e-007	5,1688e-008
7,4869	-1,4999e-007	3,4362e-007	5,1625e-008
7,4972	-1,5012e-007	3,4396e-007	5,1558e-008
7,5076	-1,5025e-007	3,443e-007	5,1494e-008
7,518	-1,5039e-007	3,4464e-007	5,143e-008
7,5284	-1,5052e-007	3,4498e-007	5,1364e-008
7,5387	-1,5065e-007	3,4532e-007	5,1297e-008
7,5491	-1,5078e-007	3,4566e-007	5,1229e-008
7,5595	-1,5091e-007	3,46e-007	5,1159e-008
7,5699	-1,5104e-007	3,4634e-007	5,109e-008
7,5802	-1,5117e-007	3,4667e-007	5,1024e-008
7,5906	-1,513e-007	3,4701e-007	5,0958e-008
7,601	-1,5142e-007	3,4734e-007	5,089e-008
7,6113	-1,5155e-007	3,4767e-007	5,0821e-008
7,6217	-1,5167e-007	3,48e-007	5,0751e-008
7,6321	-1,5179e-007	3,4833e-007	5,0681e-008
7,6424	-1,5192e-007	3,4866e-007	5,0609e-008
7,6528	-1,5204e-007	3,4899e-007	5,0537e-008
7,6632	-1,5216e-007	3,4932e-007	5,0465e-008
7,6735	-1,523e-007	3,4969e-007	5,0405e-008
7,6839	-1,5247e-007	3,501e-007	5,0357e-008
7,6942	-1,5264e-007	3,5052e-007	5,0313e-008
7,7046	-1,5281e-007	3,5095e-007	5,0268e-008
7,7149	-1,5298e-007	3,5137e-007	5,0223e-008
7,7253	-1,5315e-007	3,5179e-007	5,0176e-008
7,7356	-1,5332e-007	3,5221e-007	5,0128e-008
7,746	-1,5348e-007	3,5263e-007	5,0078e-008
7,7563	-1,5365e-007	3,5305e-007	5,0026e-008
7,7667	-1,5381e-007	3,5346e-007	4,9973e-008
7,777	-1,5398e-007	3,5388e-007	4,9919e-008
7,7873	-1,5414e-007	3,543e-007	4,9864e-008
7,7977	-1,5431e-007	3,5472e-007	4,9808e-008
7,808	-1,5448e-007	3,5514e-007	4,9752e-008

	-1,5464e-007	3,5556e-007	4,9695e-008
7,8287	-1,548e-007	3,5598e-007	4,9632e-008
7,839	-1,5497e-007	3,5639e-007	4,9567e-008
7,8494	-1,5513e-007	3,568e-007	4,9501e-008
7,8597	-1,5529e-007	3,5721e-007	4,9433e-008
7,8701	-1,5544e-007	3,5758e-007	4,9354e-008
7,8804	-1,556e-007	3,5792e-007	4,927e-008
7,8908	-1,5575e-007	3,5826e-007	4,9184e-008
7,9012	-1,559e-007	3,5859e-007	4,9099e-008
7,9115	-1,5605e-007	3,5894e-007	4,9022e-008
7,9215	-1,5624e-007	3,5935e-007	4,9027e-008
7,9316	-1,5644e-007	3,5981e-007	4,91e-008
7,9418	-1,5664e-007	3,6027e-007	4,9177e-008
7,952	-1,5684e-007	3,6074e-007	4,9253e-008
7,9621	-1,5704e-007	3,612e-007	4,9329e-008
7,9723	-1,5725e-007	3,6166e-007	4,9405e-008
7,9825	-1,5745e-007	3,6211e-007	4,9482e-008
7,9926	-1,5764e-007	3,6257e-007	4,9559e-008
8,	-1,5779e-007	3,629e-007	4,9615e-008
8,0101	-1,5798e-007	3,6335e-007	4,9692e-008
8,0203	-1,5818e-007	3,638e-007	4,977e-008
8,0305	-1,5837e-007	3,6425e-007	4,9847e-008
8,0407	-1,5857e-007	3,647e-007	4,9927e-008
8,0508	-1,5876e-007	3,6514e-007	5,0006e-008
8,061	-1,5895e-007	3,6558e-007	5,0085e-008
8,0712	-1,5914e-007	3,6602e-007	5,0165e-008
8,0813	-1,5933e-007	3,6645e-007	5,0244e-008
8,0915	-1,5953e-007	3,6695e-007	5,0337e-008
8,1017	-1,5972e-007	3,6745e-007	5,043e-008
8,112	-1,5992e-007	3,6796e-007	5,0527e-008
8,1222	-1,6011e-007	3,6844e-007	5,0622e-008
8,1324	-1,603e-007	3,6893e-007	5,0718e-008
8,1426	-1,605e-007	3,6942e-007	5,0815e-008
8,1529	-1,6069e-007	3,6991e-007	5,0912e-008
8,1631	-1,6088e-007	3,704e-007	5,1011e-008
8,1733	-1,6107e-007	3,7089e-007	5,1108e-008
8,1836	-1,6126e-007	3,7138e-007	5,1208e-008
8,1938	-1,6146e-007	3,7187e-007	5,1307e-008
8,2041	-1,6165e-007	3,7236e-007	5,1406e-008
8,2143	-1,6184e-007	3,7285e-007	5,1506e-008
8,2245	-1,6203e-007	3,7334e-007	5,1607e-008
8,2348	-1,6223e-007	3,7383e-007	5,1707e-008
8,245	-1,6242e-007	3,7432e-007	5,1809e-008
8,2552	-1,6261e-007	3,7481e-007	5,191e-008
8,2654	-1,628e-007	3,753e-007	5,2012e-008
8,2757	-1,6299e-007	3,7578e-007	5,2114e-008
8,2859	-1,6318e-007	3,7626e-007	5,2216e-008
8,2961	-1,6337e-007	3,7675e-007	5,2319e-008
8,3064	-1,6356e-007	3,7723e-007	5,2423e-008
8,3166	-1,6374e-007	3,777e-007	5,2527e-008
8,3268	-1,6393e-007	3,7818e-007	5,263e-008
8,337	-1,6411e-007	3,7865e-007	5,2732e-008
8,3473	-1,6429e-007	3,7911e-007	5,2833e-008
8,3575	-1,6447e-007	3,7958e-007	5,2934e-008
8,3677	-1,6465e-007	3,8003e-007	5,3034e-008
8,3779	-1,6484e-007	3,8049e-007	5,3134e-008
8,3881	-1,6502e-007	3,8094e-007	5,3234e-008
8,3984	-1,652e-007	3,8139e-007	5,3333e-008
8,4086	-1,6538e-007	3,8184e-007	5,3432e-008
8,4188	-1,6556e-007	3,8228e-007	5,3529e-008
8,429	-1,6573e-007	3,8272e-007	5,3626e-008
8,4392	-1,659e-007	3,8314e-007	5,3722e-008
8,4494	-1,6608e-007	3,8357e-007	5,3817e-008
8,4597	-1,6624e-007	3,8398e-007	5,3911e-008
8,4699	-1,6641e-007	3,8438e-007	5,4003e-008
8,4801	-1,6657e-007	3,8477e-007	5,4093e-008
8,4903	-1,6674e-007	3,852e-007	5,4193e-008
8,5006	-1,6692e-007	3,8565e-007	5,4301e-008
8,5108	-1,671e-007	3,8611e-007	5,4408e-008
8,5211	-1,6728e-007	3,8657e-007	5,4517e-008
8,5314	-1,6746e-007	3,8703e-007	5,4625e-008
8,5417	-1,6764e-007	3,8749e-007	5,4733e-008
8,552	-1,6782e-007	3,8795e-007	5,4841e-008
8,5622	-1,68e-007	3,884e-007	5,495e-008
8,5725	-1,6818e-007	3,8886e-007	5,5058e-008
8,5828	-1,6835e-007	3,8932e-007	5,5167e-008
8,5931	-1,6853e-007	3,8978e-007	5,5277e-008
8,6033	-1,6871e-007	3,9024e-007	5,5388e-008
8,6136	-1,6889e-007	3,9069e-007	5,5498e-008
8,6239	-1,6907e-007	3,9115e-007	5,5609e-008
8,6342	-1,6925e-007	3,9161e-007	5,5721e-008
8,6445	-1,6942e-007	3,9207e-007	5,5832e-008
8,6547	-1,696e-007	3,9253e-007	5,5943e-008
8,665	-1,6978e-007	3,9298e-007	5,6054e-008
8,6753	-1,6996e-007	3,9343e-007	5,6165e-008
8,6856	-1,7013e-007	3,9388e-007	5,6276e-008
8,6959	-1,7031e-007	3,9433e-007	5,6386e-008

	-1,7049e-007	3,9478e-007	5,6497e-008
8,7165	-1,7066e-007	3,9523e-007	5,6607e-008
8,7267	-1,7083e-007	3,9567e-007	5,6717e-008
8,737	-1,7101e-007	3,9612e-007	5,6827e-008
8,7473	-1,7119e-007	3,9657e-007	5,6939e-008
8,7576	-1,7136e-007	3,9703e-007	5,7051e-008
8,7679	-1,7153e-007	3,9747e-007	5,7151e-008
8,7782	-1,717e-007	3,9792e-007	5,7249e-008
8,7884	-1,7187e-007	3,9836e-007	5,7348e-008
8,7987	-1,7204e-007	3,9881e-007	5,7449e-008
8,809	-1,7221e-007	3,9926e-007	5,7549e-008
8,8193	-1,7237e-007	3,997e-007	5,765e-008
8,8296	-1,7254e-007	4,0015e-007	5,7752e-008
8,8398	-1,7271e-007	4,006e-007	5,7854e-008
8,8501	-1,7288e-007	4,0105e-007	5,7957e-008
8,8604	-1,7305e-007	4,015e-007	5,806e-008
8,8707	-1,7322e-007	4,0195e-007	5,8163e-008
8,881	-1,7338e-007	4,0241e-007	5,8267e-008
8,8913	-1,7355e-007	4,0286e-007	5,8372e-008
8,9016	-1,7372e-007	4,0332e-007	5,8476e-008
8,9118	-1,7389e-007	4,0377e-007	5,8582e-008
8,9221	-1,7405e-007	4,0424e-007	5,8688e-008
8,9324	-1,7422e-007	4,047e-007	5,8794e-008
8,9427	-1,7439e-007	4,0517e-007	5,8901e-008
8,953	-1,7456e-007	4,0564e-007	5,9008e-008
8,9633	-1,7473e-007	4,0611e-007	5,9115e-008
8,9736	-1,749e-007	4,0658e-007	5,9223e-008
8,9839	-1,7507e-007	4,0706e-007	5,9332e-008
8,9942	-1,7524e-007	4,0754e-007	5,9441e-008
9,	-1,7534e-007	4,0782e-007	5,9503e-008
9,0103	-1,7551e-007	4,0831e-007	5,9614e-008
9,0206	-1,7568e-007	4,0881e-007	5,9726e-008
9,0309	-1,7586e-007	4,0932e-007	5,9842e-008
9,0412	-1,7603e-007	4,0984e-007	5,9958e-008
9,0515	-1,7621e-007	4,1036e-007	6,0074e-008
9,0618	-1,7638e-007	4,1086e-007	6,0188e-008
9,0722	-1,7653e-007	4,1128e-007	6,028e-008
9,0825	-1,7667e-007	4,117e-007	6,0371e-008
9,0928	-1,7682e-007	4,1211e-007	6,0462e-008
9,1031	-1,7696e-007	4,1253e-007	6,0553e-008
9,1135	-1,7711e-007	4,1294e-007	6,0644e-008
9,1238	-1,7725e-007	4,1336e-007	6,0736e-008
9,1341	-1,7739e-007	4,1377e-007	6,0827e-008
9,1444	-1,7754e-007	4,1418e-007	6,0918e-008
9,1548	-1,7768e-007	4,1459e-007	6,1013e-008
9,1651	-1,7783e-007	4,15e-007	6,1112e-008
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9,1858	-1,7813e-007	4,1583e-007	6,1312e-008
9,1961	-1,7829e-007	4,1625e-007	6,1415e-008
9,2064	-1,7844e-007	4,1669e-007	6,1519e-008
9,2168	-1,7859e-007	4,1713e-007	6,1624e-008
9,2271	-1,7875e-007	4,1757e-007	6,1732e-008
9,2375	-1,7891e-007	4,1803e-007	6,1841e-008
9,2478	-1,7907e-007	4,1849e-007	6,1952e-008
9,2581	-1,7924e-007	4,1896e-007	6,2064e-008
9,2685	-1,794e-007	4,1944e-007	6,2177e-008
9,2788	-1,7957e-007	4,1993e-007	6,2293e-008
9,2892	-1,7974e-007	4,2042e-007	6,241e-008
9,2995	-1,7991e-007	4,2093e-007	6,2529e-008
9,3093	-1,8006e-007	4,2136e-007	6,2613e-008
9,3196	-1,8023e-007	4,2184e-007	6,2703e-008
9,3299	-1,804e-007	4,2231e-007	6,2795e-008
9,3403	-1,8057e-007	4,2279e-007	6,2887e-008
9,3506	-1,8075e-007	4,2327e-007	6,2979e-008
9,361	-1,8092e-007	4,2375e-007	6,3072e-008
9,3713	-1,8109e-007	4,2423e-007	6,3163e-008
9,3817	-1,8126e-007	4,247e-007	6,3254e-008
9,392	-1,8143e-007	4,2518e-007	6,3344e-008
9,4024	-1,8161e-007	4,2566e-007	6,3434e-008
9,4127	-1,8178e-007	4,2614e-007	6,3525e-008
9,4231	-1,8196e-007	4,2663e-007	6,3615e-008
9,4334	-1,8214e-007	4,2712e-007	6,3706e-008
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9,4541	-1,825e-007	4,2811e-007	6,3886e-008
9,4645	-1,8268e-007	4,2862e-007	6,3976e-008
9,4748	-1,8287e-007	4,2912e-007	6,4065e-008
9,4852	-1,8305e-007	4,2963e-007	6,4155e-008
9,4955	-1,8324e-007	4,3014e-007	6,4245e-008
9,5059	-1,8343e-007	4,3065e-007	6,4335e-008
9,5163	-1,8363e-007	4,3117e-007	6,4424e-008
9,5266	-1,8382e-007	4,3169e-007	6,4513e-008
9,537	-1,8401e-007	4,322e-007	6,4597e-008
9,5473	-1,8417e-007	4,3267e-007	6,4679e-008
9,5576	-1,8435e-007	4,3315e-007	6,4761e-008
9,568	-1,8452e-007	4,3362e-007	6,4844e-008
9,5783	-1,8469e-007	4,341e-007	6,4925e-008
9,5886	-1,8486e-007	4,3459e-007	6,5006e-008



	-1,8504e-007	4,3507e-007	6,5087e-008
9,6093	-1,8521e-007	4,3556e-007	6,5168e-008
9,6196	-1,8539e-007	4,3604e-007	6,5248e-008
9,63	-1,8557e-007	4,3654e-007	6,5327e-008
9,6403	-1,8574e-007	4,3703e-007	6,5407e-008
9,6507	-1,8592e-007	4,3753e-007	6,5485e-008
9,661	-1,861e-007	4,3803e-007	6,5564e-008
9,6714	-1,8628e-007	4,3852e-007	6,5641e-008
9,6817	-1,8646e-007	4,3901e-007	6,5716e-008
9,692	-1,8663e-007	4,395e-007	6,579e-008
9,7024	-1,8682e-007	4,3999e-007	6,5862e-008
9,7127	-1,87e-007	4,4049e-007	6,5933e-008
9,7231	-1,8719e-007	4,4099e-007	6,6002e-008
9,7334	-1,8738e-007	4,415e-007	6,6072e-008
9,7438	-1,8757e-007	4,4201e-007	6,6142e-008
9,7541	-1,8776e-007	4,4252e-007	6,6211e-008
9,7645	-1,8796e-007	4,4304e-007	6,6281e-008
9,7748	-1,8815e-007	4,4355e-007	6,6351e-008
9,7851	-1,8835e-007	4,4407e-007	6,6421e-008
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9,8058	-1,8874e-007	4,4512e-007	6,6561e-008
9,8162	-1,8894e-007	4,4565e-007	6,6632e-008
9,8265	-1,8914e-007	4,4618e-007	6,6703e-008
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9,8472	-1,8955e-007	4,4725e-007	6,6848e-008
9,8576	-1,8975e-007	4,4778e-007	6,6921e-008
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13,091	-2,3783e-007	5,519e-007	8,3552e-008
13,101	-2,3804e-007	5,5236e-007	8,3637e-008

13,111	-2,3825e-007	5,5283e-007	8,3721e-008
13,121	-2,3845e-007	5,533e-007	8,3805e-008
13,131	-2,3866e-007	5,5377e-007	8,389e-008
13,141	-2,3887e-007	5,5423e-007	8,3974e-008
13,151	-2,3908e-007	5,547e-007	8,4059e-008
13,161	-2,3928e-007	5,5517e-007	8,4143e-008
13,171	-2,3949e-007	5,5564e-007	8,4228e-008
13,182	-2,397e-007	5,561e-007	8,4312e-008
13,192	-2,3991e-007	5,5657e-007	8,4396e-008
13,202	-2,4011e-007	5,5704e-007	8,4481e-008
13,212	-2,4032e-007	5,5751e-007	8,4565e-008
13,222	-2,4053e-007	5,5797e-007	8,465e-008
13,232	-2,4073e-007	5,5844e-007	8,4734e-008
13,242	-2,4094e-007	5,5891e-007	8,4819e-008
13,252	-2,4115e-007	5,5938e-007	8,4903e-008
13,262	-2,4136e-007	5,5984e-007	8,4987e-008
13,272	-2,4156e-007	5,6031e-007	8,5072e-008
13,282	-2,4177e-007	5,6078e-007	8,5156e-008
13,293	-2,4198e-007	5,6125e-007	8,5241e-008
13,303	-2,4219e-007	5,6171e-007	8,5325e-008
13,313	-2,4239e-007	5,6218e-007	8,541e-008
13,323	-2,426e-007	5,6265e-007	8,5494e-008
13,333	-2,4281e-007	5,6312e-007	8,5578e-008
13,343	-2,4302e-007	5,6358e-007	8,5663e-008
13,353	-2,4322e-007	5,6405e-007	8,5747e-008
13,363	-2,4343e-007	5,6452e-007	8,5832e-008
13,373	-2,4364e-007	5,6499e-007	8,5916e-008
13,383	-2,4385e-007	5,6545e-007	8,6001e-008
13,393	-2,4405e-007	5,6592e-007	8,6085e-008
13,404	-2,4426e-007	5,6639e-007	8,6169e-008
13,414	-2,4447e-007	5,6686e-007	8,6254e-008
13,424	-2,4467e-007	5,6733e-007	8,6338e-008
13,434	-2,4488e-007	5,6779e-007	8,6423e-008
13,444	-2,4509e-007	5,6826e-007	8,6507e-008
13,454	-2,453e-007	5,6873e-007	8,6592e-008
13,464	-2,455e-007	5,692e-007	8,6676e-008
13,474	-2,4571e-007	5,6966e-007	8,676e-008
13,484	-2,4592e-007	5,7013e-007	8,6845e-008
13,494	-2,4613e-007	5,706e-007	8,6929e-008
13,504	-2,4633e-007	5,7107e-007	8,7014e-008
13,515	-2,4654e-007	5,7153e-007	8,7098e-008
13,525	-2,4675e-007	5,72e-007	8,7183e-008
13,535	-2,4696e-007	5,7247e-007	8,7267e-008
13,545	-2,4716e-007	5,7294e-007	8,7351e-008
13,555	-2,4737e-007	5,734e-007	8,7436e-008
13,565	-2,4758e-007	5,7387e-007	8,752e-008
13,575	-2,4778e-007	5,7434e-007	8,7605e-008
13,585	-2,4799e-007	5,7481e-007	8,7689e-008
13,595	-2,482e-007	5,7527e-007	8,7774e-008
13,605	-2,4841e-007	5,7574e-007	8,7858e-008
13,615	-2,4861e-007	5,7621e-007	8,7942e-008
13,625	-2,4882e-007	5,7668e-007	8,8027e-008
13,636	-2,4903e-007	5,7714e-007	8,8111e-008
13,646	-2,4924e-007	5,7761e-007	8,8196e-008
13,656	-2,4944e-007	5,7808e-007	8,828e-008
13,666	-2,4965e-007	5,7855e-007	8,8365e-008
13,676	-2,4986e-007	5,7901e-007	8,8449e-008
13,686	-2,5007e-007	5,7948e-007	8,8533e-008
13,696	-2,5027e-007	5,7995e-007	8,8618e-008
13,706	-2,5048e-007	5,8042e-007	8,8702e-008
13,716	-2,5069e-007	5,8088e-007	8,8787e-008
13,726	-2,509e-007	5,8135e-007	8,8871e-008
13,736	-2,511e-007	5,8182e-007	8,8956e-008
13,747	-2,5131e-007	5,8229e-007	8,904e-008
13,757	-2,5152e-007	5,8276e-007	8,9124e-008
13,767	-2,5172e-007	5,8322e-007	8,9209e-008
13,777	-2,5193e-007	5,8369e-007	8,9293e-008
13,787	-2,5214e-007	5,8416e-007	8,9378e-008
13,797	-2,5235e-007	5,8463e-007	8,9462e-008
13,807	-2,5255e-007	5,8509e-007	8,9547e-008
13,817	-2,5276e-007	5,8556e-007	8,9631e-008
13,827	-2,5297e-007	5,8603e-007	8,9715e-008
13,837	-2,5318e-007	5,865e-007	8,98e-008
13,847	-2,5338e-007	5,8696e-007	8,9884e-008
13,858	-2,5359e-007	5,8743e-007	8,9969e-008
13,868	-2,538e-007	5,879e-007	9,0053e-008
13,878	-2,5401e-007	5,8837e-007	9,0138e-008
13,888	-2,5421e-007	5,8883e-007	9,0222e-008
13,898	-2,5442e-007	5,893e-007	9,0307e-008
13,908	-2,5463e-007	5,8977e-007	9,0391e-008
13,918	-2,5484e-007	5,9024e-007	9,0475e-008
13,928	-2,5504e-007	5,907e-007	9,056e-008
13,938	-2,5525e-007	5,9117e-007	9,0644e-008
13,948	-2,5546e-007	5,9164e-007	9,0729e-008
13,958	-2,5567e-007	5,9211e-007	9,0813e-008
13,968	-2,5587e-007	5,9257e-007	9,0898e-008
13,979	-2,5608e-007	5,9304e-007	9,0982e-008

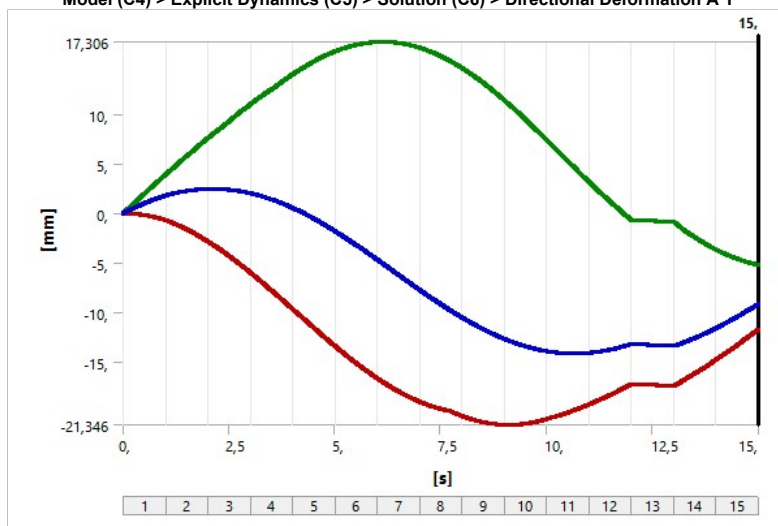
	-2,5629e-007	5,9351e-007	9,1066e-008
13,999	-2,5649e-007	5,9398e-007	9,1151e-008
14,	-2,5652e-007	5,9404e-007	9,1161e-008
14,01	-2,5673e-007	5,945e-007	9,1246e-008
14,02	-2,5694e-007	5,9497e-007	9,133e-008
14,03	-2,5714e-007	5,9544e-007	9,1415e-008
14,04	-2,5735e-007	5,9591e-007	9,1499e-008
14,05	-2,5756e-007	5,9637e-007	9,1584e-008
14,061	-2,5776e-007	5,9684e-007	9,1668e-008
14,071	-2,5797e-007	5,9731e-007	9,1752e-008
14,081	-2,5818e-007	5,9778e-007	9,1837e-008
14,091	-2,5839e-007	5,9824e-007	9,1921e-008
14,101	-2,5859e-007	5,9871e-007	9,2006e-008
14,111	-2,588e-007	5,9918e-007	9,209e-008
14,121	-2,5901e-007	5,9965e-007	9,2175e-008
14,131	-2,5922e-007	6,0011e-007	9,2259e-008
14,141	-2,5942e-007	6,0058e-007	9,2343e-008
14,151	-2,5963e-007	6,0105e-007	9,2428e-008
14,161	-2,5984e-007	6,0152e-007	9,2512e-008
14,172	-2,6005e-007	6,0198e-007	9,2597e-008
14,182	-2,6025e-007	6,0245e-007	9,2681e-008
14,192	-2,6046e-007	6,0292e-007	9,2766e-008
14,202	-2,6067e-007	6,0339e-007	9,285e-008
14,212	-2,6087e-007	6,0385e-007	9,2934e-008
14,222	-2,6108e-007	6,0432e-007	9,3019e-008
14,232	-2,6129e-007	6,0479e-007	9,3103e-008
14,242	-2,615e-007	6,0526e-007	9,3188e-008
14,252	-2,617e-007	6,0572e-007	9,3272e-008
14,262	-2,6191e-007	6,0619e-007	9,3356e-008
14,272	-2,6212e-007	6,0666e-007	9,3441e-008
14,282	-2,6233e-007	6,0713e-007	9,3525e-008
14,293	-2,6253e-007	6,0759e-007	9,361e-008
14,303	-2,6274e-007	6,0806e-007	9,3694e-008
14,313	-2,6295e-007	6,0853e-007	9,3779e-008
14,323	-2,6316e-007	6,09e-007	9,3863e-008
14,333	-2,6336e-007	6,0946e-007	9,3947e-008
14,343	-2,6357e-007	6,0993e-007	9,4032e-008
14,353	-2,6378e-007	6,104e-007	9,4116e-008
14,363	-2,6398e-007	6,1087e-007	9,42e-008
14,373	-2,6419e-007	6,1133e-007	9,4285e-008
14,383	-2,644e-007	6,118e-007	9,4369e-008
14,393	-2,6461e-007	6,1227e-007	9,4454e-008
14,404	-2,6481e-007	6,1274e-007	9,4538e-008
14,414	-2,6502e-007	6,132e-007	9,4622e-008
14,424	-2,6523e-007	6,1367e-007	9,4707e-008
14,434	-2,6544e-007	6,1414e-007	9,4791e-008
14,444	-2,6564e-007	6,146e-007	9,4875e-008
14,454	-2,6585e-007	6,1507e-007	9,496e-008
14,464	-2,6606e-007	6,1554e-007	9,5044e-008
14,474	-2,6626e-007	6,1601e-007	9,5129e-008
14,484	-2,6647e-007	6,1647e-007	9,5213e-008
14,494	-2,6668e-007	6,1694e-007	9,5297e-008
14,504	-2,6689e-007	6,1741e-007	9,5382e-008
14,514	-2,6709e-007	6,1788e-007	9,5466e-008
14,525	-2,673e-007	6,1834e-007	9,5551e-008
14,535	-2,6751e-007	6,1881e-007	9,5635e-008
14,545	-2,6772e-007	6,1928e-007	9,5719e-008
14,555	-2,6792e-007	6,1975e-007	9,5804e-008
14,565	-2,6813e-007	6,2021e-007	9,5888e-008
14,575	-2,6834e-007	6,2068e-007	9,5973e-008
14,585	-2,6854e-007	6,2115e-007	9,6057e-008
14,595	-2,6875e-007	6,2161e-007	9,6141e-008
14,605	-2,6896e-007	6,2208e-007	9,6226e-008
14,615	-2,6917e-007	6,2255e-007	9,631e-008
14,625	-2,6937e-007	6,2302e-007	9,6394e-008
14,635	-2,6958e-007	6,2348e-007	9,6479e-008
14,646	-2,6979e-007	6,2395e-007	9,6563e-008
14,656	-2,6999e-007	6,2442e-007	9,6648e-008
14,666	-2,702e-007	6,2489e-007	9,6732e-008
14,676	-2,7041e-007	6,2535e-007	9,6816e-008
14,686	-2,7062e-007	6,2582e-007	9,6901e-008
14,696	-2,7082e-007	6,2629e-007	9,6985e-008
14,706	-2,7103e-007	6,2675e-007	9,7069e-008
14,716	-2,7124e-007	6,2722e-007	9,7154e-008
14,726	-2,7144e-007	6,2769e-007	9,7238e-008
14,736	-2,7165e-007	6,2815e-007	9,7322e-008
14,746	-2,7186e-007	6,2862e-007	9,7407e-008
14,756	-2,7207e-007	6,2909e-007	9,7491e-008
14,767	-2,7227e-007	6,2956e-007	9,7575e-008
14,777	-2,7248e-007	6,3002e-007	9,7659e-008
14,787	-2,7269e-007	6,3049e-007	9,7744e-008
14,797	-2,7289e-007	6,3096e-007	9,7828e-008
14,807	-2,731e-007	6,3142e-007	9,7912e-008
14,817	-2,7331e-007	6,3189e-007	9,7997e-008
14,827	-2,7351e-007	6,3236e-007	9,8081e-008
14,837	-2,7372e-007	6,3282e-007	9,8165e-008
14,847	-2,7393e-007	6,3329e-007	9,8249e-008

	-2,7414e-007	6,3376e-007	9,8334e-008
14,867	-2,7434e-007	6,3422e-007	9,8418e-008
14,877	-2,7455e-007	6,3469e-007	9,8502e-008
14,887	-2,7476e-007	6,3516e-007	9,8586e-008
14,898	-2,7496e-007	6,3562e-007	9,8671e-008
14,908	-2,7517e-007	6,3609e-007	9,8755e-008
14,918	-2,7538e-007	6,3655e-007	9,8839e-008
14,928	-2,7558e-007	6,3702e-007	9,8923e-008
14,938	-2,7579e-007	6,3749e-007	9,9008e-008
14,948	-2,76e-007	6,3795e-007	9,9092e-008
14,958	-2,762e-007	6,3842e-007	9,9176e-008
14,968	-2,7641e-007	6,3889e-007	9,926e-008
14,978	-2,7662e-007	6,3935e-007	9,9345e-008
14,988	-2,7683e-007	6,3982e-007	9,9429e-008
14,998	-2,7703e-007	6,4029e-007	9,9513e-008
15,	-2,7707e-007	6,4036e-007	9,9527e-008

**TABLE 40**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Results

Object Name	Directional Deformation A Y	Directional Deformation A Z	Equivalent Stress PIEL Y M	Equivalent Stress PIEL	Equivalent Stress M	Total Velocity
State	Solved					
<b>Scope</b>						
Scoping Method	Geometry Selection					Named Selection
Geometry	1 Body		2 Bodies		1 Body	
Named Selection						PuntaA
<b>Definition</b>						
Type	Directional Deformation		Equivalent (von-Mises) Stress			Total Velocity
Orientation	Y Axis	Z Axis				
By	Time					
Display Time	Last					
Coordinate System	Global Coordinate System					
Calculate Time History	Yes					
Identifier						
Suppressed	No					
<b>Results</b>						
Minimum	-11,706 mm	-1,8603 mm	0, MPa	5,4036e-007 MPa	0, MPa	3,3114 mm/s
Maximum	-5,1887 mm	14,406 mm	3,8837e-002 MPa	1,6574e-002 MPa	3,8837e-002 MPa	3,3114 mm/s
Average	-9,1639 mm	8,5572 mm	8,2081e-004 MPa	1,1717e-003 MPa	6,7926e-004 MPa	3,3114 mm/s
Minimum Occurs On	SYS-6\AgujaPS1-24MM		SYS-6\Musculo	SYS-6\Piel	SYS-6\Musculo	SYS-6\AgujaPS1-24MM
Maximum Occurs On	SYS-6\AgujaPS1-24MM		SYS-6\Musculo	SYS-6\Piel	SYS-6\Musculo	SYS-6\AgujaPS1-24MM
<b>Minimum Value Over Time</b>						
Minimum	-21,346 mm	-15,369 mm	0, MPa			0, mm/s
Maximum	0, mm		0, MPa	2,8139e-004 MPa	0, MPa	4,0521 mm/s
<b>Maximum Value Over Time</b>						
Minimum	-5,1887 mm	-1,9062 mm	0, MPa			0, mm/s
Maximum	17,306 mm	16,03 mm	0,49119 MPa		8,6467e-002 MPa	4,0521 mm/s
<b>Information</b>						
Time	15, s					
Set	1468					
Cycle Number	1458857					
<b>Integration Point Results</b>						
Display Option	Averaged					
Average Across Bodies	No					

**FIGURE 47**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Directional Deformation A Y



**TABLE 41**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Directional Deformation A Y

Time [s]	Minimum [mm]	Maximum [mm]	Average [mm]
0	0	0	0
2.5	-5	3	0
5	-15	0	-5
7.5	-20	17.306	-1
10	-21.346	10	-10
12.5	-18	0	-15
15	-15	-5	-10

1,1755e-038	0	0	0
1,0443e-002	-7,5391e-005	4,1207e-002	2,3027e-002
2,0904e-002	-3,0213e-004	8,2491e-002	4,6019e-002
3,1366e-002	-6,8022e-004	0,12378	6,8932e-002
4,1827e-002	-1,2096e-003	0,16507	9,1768e-002
5,2289e-002	-1,8904e-003	0,20636	0,11452
6,275e-002	-2,7224e-003	0,24765	0,1372
7,3211e-002	-3,7058e-003	0,28894	0,1598
8,3672e-002	-4,8403e-003	0,33025	0,18232
9,4132e-002	-6,1261e-003	0,37156	0,20476
0,10459	-7,5631e-003	0,41288	0,22711
0,11505	-9,1513e-003	0,45421	0,24939
0,12551	-1,0891e-002	0,49553	0,27159
0,13597	-1,2781e-002	0,53685	0,2937
0,14643	-1,4822e-002	0,57818	0,31573
0,15689	-1,7014e-002	0,6195	0,33768
0,16735	-1,9358e-002	0,66082	0,35954
0,17781	-2,1852e-002	0,70214	0,38132
0,18826	-2,4496e-002	0,74346	0,40302
0,19872	-2,7292e-002	0,78477	0,42463
0,20918	-3,0238e-002	0,82608	0,44616
0,21963	-3,3335e-002	0,86738	0,4676
0,23009	-3,6582e-002	0,90868	0,48896
0,24054	-3,9979e-002	0,94997	0,51023
0,25099	-4,3527e-002	0,99125	0,53142
0,26145	-4,7225e-002	1,0325	0,55252
0,2719	-5,1072e-002	1,0738	0,57353
0,28235	-5,507e-002	1,115	0,59445
0,2928	-5,9219e-002	1,1563	0,61529
0,30326	-6,3517e-002	1,1975	0,63604
0,31371	-6,7967e-002	1,2388	0,65671
0,32417	-7,257e-002	1,28	0,67731
0,33464	-7,7324e-002	1,3213	0,69782
0,3451	-8,2226e-002	1,3625	0,71824
0,35556	-8,7279e-002	1,4037	0,73857
0,36602	-9,2482e-002	1,4449	0,75881
0,37648	-9,7834e-002	1,4862	0,77896
0,38694	-0,10334	1,5276	0,79903
0,3974	-0,10899	1,5691	0,819
0,40786	-0,11479	1,6105	0,83888
0,41832	-0,12074	1,6519	0,85867
0,42878	-0,12684	1,6933	0,87837
0,43924	-0,13309	1,7348	0,89798
0,4497	-0,13949	1,7762	0,9175
0,46016	-0,14603	1,8176	0,93693
0,47062	-0,15273	1,859	0,95626
0,48108	-0,15957	1,9004	0,9755
0,49154	-0,16657	1,9418	0,99465
0,502	-0,17371	1,9832	1,0137
0,51246	-0,181	2,0246	1,0327
0,52292	-0,18844	2,0659	1,0515
0,53337	-0,19602	2,1073	1,0703
0,54383	-0,20376	2,1486	1,089
0,55429	-0,21164	2,19	1,1076
0,56475	-0,21967	2,2313	1,1261
0,57521	-0,22785	2,2726	1,1445
0,58567	-0,23618	2,3139	1,1628
0,59613	-0,24465	2,3552	1,181
0,60658	-0,25327	2,3964	1,1991
0,61704	-0,26204	2,4377	1,2171
0,6275	-0,27095	2,4789	1,235
0,63796	-0,28001	2,5202	1,2528
0,64842	-0,28922	2,5614	1,2705
0,65887	-0,29857	2,6026	1,2882
0,66933	-0,30808	2,6437	1,3057
0,67979	-0,31772	2,6849	1,3231
0,69025	-0,32752	2,726	1,3405
0,70071	-0,33746	2,7671	1,3577
0,71117	-0,34754	2,8082	1,3748
0,72162	-0,35777	2,8493	1,3919
0,73208	-0,36815	2,8903	1,4088
0,74254	-0,37867	2,9314	1,4256
0,753	-0,38934	2,9724	1,4424
0,76346	-0,40015	3,0133	1,459
0,77392	-0,41111	3,0543	1,4755
0,78438	-0,42221	3,0952	1,492
0,79484	-0,43346	3,1361	1,5083
0,80529	-0,44485	3,177	1,5245
0,81575	-0,45638	3,2179	1,5407
0,82621	-0,46806	3,2587	1,5567
0,83667	-0,47988	3,2995	1,5726
0,84713	-0,49185	3,3402	1,5885
0,85759	-0,50396	3,381	1,6042
0,86805	-0,51621	3,4217	1,6198
0,8785	-0,5286	3,4623	1,6353
0,88896	-0,54114	3,503	1,6507
0,89942	-0,55382	3,5436	1,6661



	-0,56664	3,5841	1,6813
0,92033	-0,5796	3,6247	1,6964
0,93079	-0,59271	3,6652	1,7114
0,94124	-0,60595	3,7056	1,7263
0,9517	-0,61934	3,746	1,741
0,96216	-0,63287	3,7864	1,7557
0,97261	-0,64653	3,8268	1,7703
0,98307	-0,66034	3,8671	1,7848
0,99352	-0,67429	3,9074	1,7991
1,	-0,68301	3,9323	1,808
1,0105	-0,69928	3,9704	1,8201
1,0209	-0,71568	4,0085	1,8321
1,0314	-0,73223	4,0465	1,844
1,0418	-0,74891	4,0845	1,8558
1,0523	-0,76574	4,1224	1,8674
1,0627	-0,7827	4,1603	1,879
1,0732	-0,7998	4,1982	1,8905
1,0836	-0,81704	4,236	1,9018
1,0941	-0,83441	4,2738	1,9131
1,1045	-0,85193	4,3115	1,9242
1,115	-0,86958	4,3492	1,9352
1,1255	-0,88737	4,3868	1,9462
1,1359	-0,9053	4,4244	1,957
1,1464	-0,92337	4,4619	1,9677
1,1568	-0,94157	4,4994	1,9783
1,1673	-0,95991	4,5369	1,9888
1,1777	-0,97838	4,5743	1,9991
1,1882	-0,99699	4,6124	2,0094
1,1986	-1,0157	4,6519	2,0196
1,2091	-1,0346	4,6914	2,0296
1,2195	-1,0536	4,7308	2,0395
1,23	-1,0728	4,7703	2,0494
1,2404	-1,0921	4,8097	2,0591
1,2509	-1,1115	4,8491	2,0687
1,2613	-1,131	4,8885	2,0782
1,2718	-1,1507	4,9278	2,0876
1,2823	-1,1705	4,9672	2,0968
1,2927	-1,1905	5,0065	2,106
1,3032	-1,2106	5,0458	2,1151
1,3136	-1,2308	5,0851	2,124
1,3241	-1,2511	5,1243	2,1328
1,3345	-1,2716	5,1636	2,1415
1,345	-1,2922	5,2028	2,1501
1,3554	-1,313	5,242	2,1586
1,3659	-1,3339	5,2812	2,167
1,3763	-1,3549	5,3203	2,1753
1,3868	-1,376	5,3594	2,1834
1,3972	-1,3973	5,3985	2,1914
1,4077	-1,4187	5,4376	2,1994
1,4181	-1,4402	5,4766	2,2072
1,4286	-1,4619	5,5156	2,2149
1,439	-1,4836	5,5546	2,2225
1,4495	-1,5055	5,5935	2,2299
1,4599	-1,5276	5,6325	2,2373
1,4704	-1,5498	5,6713	2,2445
1,4808	-1,5721	5,7102	2,2516
1,4913	-1,5945	5,749	2,2587
1,5017	-1,617	5,7878	2,2656
1,5122	-1,6397	5,8265	2,2723
1,5226	-1,6625	5,8653	2,279
1,5331	-1,6854	5,9039	2,2855
1,5435	-1,7085	5,9426	2,292
1,554	-1,7316	5,9812	2,2983
1,5644	-1,7549	6,0198	2,3045
1,5749	-1,7784	6,0583	2,3106
1,5853	-1,8019	6,0968	2,3166
1,5958	-1,8256	6,1353	2,3224
1,6062	-1,8494	6,1737	2,3282
1,6167	-1,8733	6,2121	2,3338
1,6271	-1,8974	6,2504	2,3393
1,6376	-1,9215	6,2887	2,3447
1,648	-1,9458	6,3269	2,35
1,6585	-1,9702	6,3652	2,3551
1,669	-1,9948	6,4033	2,3602
1,6794	-2,0194	6,4415	2,3651
1,6899	-2,0442	6,4795	2,3699
1,7003	-2,0691	6,5176	2,3746
1,7108	-2,0941	6,5556	2,3792
1,7212	-2,1193	6,5935	2,3836
1,7317	-2,1445	6,6314	2,388
1,7421	-2,1699	6,6693	2,3922
1,7526	-2,1954	6,7071	2,3963
1,763	-2,221	6,7449	2,4003
1,7735	-2,2467	6,7826	2,4042
1,7839	-2,2726	6,8202	2,4079
1,7944	-2,2986	6,8578	2,4115
1,8048	-2,3246	6,8954	2,4151

	-2,3508	6,9329	2,4185
1,8257	-2,3771	6,9703	2,4217
1,8362	-2,4036	7,0077	2,4249
1,8466	-2,4301	7,0451	2,4279
1,8571	-2,4568	7,0823	2,4309
1,8675	-2,4835	7,1196	2,4337
1,878	-2,5104	7,1567	2,4364
1,8885	-2,5374	7,1939	2,4389
1,8989	-2,5646	7,2309	2,4414
1,9094	-2,5918	7,2679	2,4437
1,9198	-2,6191	7,3049	2,4459
1,9303	-2,6466	7,3418	2,448
1,9407	-2,6741	7,3786	2,45
1,9512	-2,7018	7,4154	2,4518
1,9616	-2,7296	7,4521	2,4536
1,9721	-2,7575	7,4887	2,4552
1,9825	-2,7855	7,5253	2,4567
1,993	-2,8136	7,5618	2,458
2,	-2,8326	7,5863	2,4589
2,0105	-2,8609	7,6227	2,4601
2,0209	-2,8893	7,6591	2,4611
2,0313	-2,9176	7,6951	2,4621
2,0417	-2,9461	7,7312	2,4629
2,0521	-2,9747	7,7671	2,4636
2,0625	-3,0033	7,8029	2,4641
2,0729	-3,0321	7,8388	2,4646
2,0833	-3,061	7,8745	2,4649
2,0937	-3,09	7,9102	2,4652
2,1041	-3,1191	7,9459	2,4653
2,1145	-3,1484	7,9815	2,4652
2,1249	-3,1777	8,017	2,4651
2,1353	-3,2071	8,0524	2,4649
2,1457	-3,2367	8,0878	2,4645
2,1562	-3,2664	8,1232	2,464
2,1666	-3,2961	8,1584	2,4634
2,177	-3,326	8,1935	2,4626
2,1874	-3,3559	8,2286	2,4618
2,1978	-3,386	8,2637	2,4608
2,2082	-3,4161	8,2986	2,4597
2,2186	-3,4464	8,3334	2,4585
2,229	-3,4767	8,3682	2,4572
2,2394	-3,5071	8,4029	2,4557
2,2499	-3,5377	8,4376	2,4542
2,2603	-3,5683	8,4721	2,4525
2,2707	-3,599	8,5066	2,4507
2,2811	-3,6299	8,5409	2,4488
2,2915	-3,6608	8,5753	2,4467
2,3019	-3,6918	8,6095	2,4446
2,3123	-3,7229	8,6436	2,4423
2,3227	-3,7541	8,6777	2,4399
2,3331	-3,7854	8,7116	2,4374
2,3435	-3,8168	8,7455	2,4347
2,3539	-3,8482	8,7793	2,432
2,3643	-3,8798	8,813	2,4291
2,3747	-3,9115	8,8467	2,4261
2,3851	-3,9432	8,8828	2,423
2,3955	-3,9751	8,9205	2,4197
2,4059	-4,007	8,9582	2,4164
2,4163	-4,039	8,9958	2,4129
2,4267	-4,0711	9,0333	2,4093
2,4371	-4,1033	9,0708	2,4056
2,4475	-4,1356	9,1083	2,4018
2,4579	-4,168	9,1457	2,3978
2,4684	-4,2005	9,183	2,3937
2,4788	-4,233	9,2203	2,3896
2,4892	-4,2657	9,2575	2,3853
2,4996	-4,2984	9,2947	2,3808
2,51	-4,3312	9,3318	2,3763
2,5204	-4,3641	9,3688	2,3716
2,5308	-4,3971	9,4058	2,3668
2,5412	-4,4302	9,4428	2,3619
2,5516	-4,4634	9,4796	2,3569
2,562	-4,4966	9,5164	2,3518
2,5724	-4,5299	9,5532	2,3465
2,5828	-4,5633	9,5898	2,3412
2,5932	-4,5968	9,6265	2,3357
2,6036	-4,6304	9,663	2,3301
2,614	-4,664	9,6995	2,3243
2,6244	-4,6977	9,7359	2,3185
2,6348	-4,7315	9,7723	2,3125
2,6452	-4,7654	9,8085	2,3064
2,6556	-4,7993	9,8448	2,3002
2,666	-4,8334	9,8809	2,2939
2,6764	-4,8675	9,917	2,2875
2,6868	-4,9017	9,953	2,2809
2,6972	-4,936	9,989	2,2742
2,7076	-4,9703	10,025	2,2675

	-5,0047	10,061	2,2606
2,7284	-5,0392	10,096	2,2535
2,7388	-5,0738	10,132	2,2464
2,7492	-5,1084	10,168	2,2391
2,7596	-5,1431	10,203	2,2318
2,77	-5,1779	10,239	2,2243
2,7804	-5,2128	10,274	2,2167
2,7908	-5,2477	10,309	2,2089
2,8012	-5,2827	10,344	2,2011
2,8116	-5,3178	10,38	2,1931
2,822	-5,3529	10,415	2,185
2,8324	-5,3881	10,45	2,1769
2,8428	-5,4234	10,484	2,1685
2,8532	-5,4587	10,519	2,1601
2,8636	-5,4942	10,554	2,1516
2,874	-5,5296	10,589	2,1429
2,8844	-5,5652	10,623	2,1341
2,8948	-5,6008	10,658	2,1252
2,9052	-5,6365	10,692	2,1162
2,9156	-5,6723	10,727	2,1071
2,926	-5,7081	10,761	2,0979
2,9364	-5,744	10,795	2,0885
2,9468	-5,7799	10,829	2,0791
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2,9676	-5,852	10,897	2,0598
2,978	-5,8881	10,931	2,05
2,9884	-5,9242	10,965	2,0401
2,9987	-5,9604	10,998	2,03
3,	-5,9647	11,002	2,0288
3,0104	-6,0011	11,036	2,0187
3,0208	-6,0375	11,069	2,0084
3,0312	-6,0739	11,103	1,998
3,0416	-6,1104	11,136	1,9875
3,052	-6,147	11,169	1,9768
3,0624	-6,1837	11,202	1,9661
3,0728	-6,2204	11,235	1,9552
3,0832	-6,2571	11,268	1,9442
3,0936	-6,2939	11,301	1,9331
3,104	-6,3308	11,334	1,9219
3,1145	-6,3678	11,367	1,9106
3,1249	-6,4047	11,399	1,8992
3,1353	-6,4418	11,432	1,8876
3,1457	-6,4788	11,464	1,876
3,1561	-6,516	11,497	1,8642
3,1665	-6,5532	11,529	1,8523
3,1769	-6,5905	11,561	1,8403
3,1873	-6,6277	11,593	1,8282
3,1977	-6,6651	11,625	1,816
3,2081	-6,7025	11,657	1,8036
3,2185	-6,74	11,688	1,7912
3,2289	-6,7774	11,72	1,7786
3,2393	-6,815	11,752	1,766
3,2497	-6,8526	11,783	1,7532
3,2601	-6,8902	11,814	1,7403
3,2705	-6,9278	11,846	1,7273
3,2809	-6,9655	11,877	1,7142
3,2913	-7,0033	11,908	1,701
3,3017	-7,0411	11,939	1,6877
3,3121	-7,0789	11,969	1,6743
3,3225	-7,1167	12,	1,6607
3,3329	-7,1547	12,031	1,6471
3,3433	-7,1926	12,061	1,6333
3,3536	-7,2306	12,091	1,6195
3,364	-7,2686	12,122	1,6055
3,3744	-7,3066	12,152	1,5914
3,3848	-7,3447	12,182	1,5773
3,3952	-7,3829	12,212	1,563
3,4056	-7,421	12,242	1,5486
3,4159	-7,4592	12,271	1,5341
3,4263	-7,4975	12,301	1,5194
3,4367	-7,5358	12,33	1,5047
3,4471	-7,5741	12,36	1,4899
3,4575	-7,6125	12,389	1,4749
3,4679	-7,651	12,418	1,4599
3,4783	-7,6895	12,447	1,4447
3,4887	-7,728	12,476	1,4294
3,4991	-7,7664	12,505	1,4141
3,5095	-7,805	12,534	1,3986
3,5199	-7,8436	12,563	1,383
3,5303	-7,8823	12,591	1,3673
3,5406	-7,9209	12,619	1,3515
3,551	-7,9595	12,648	1,3356
3,5614	-7,9982	12,676	1,3196
3,5718	-8,037	12,704	1,3035
3,5822	-8,0758	12,737	1,2873
3,5926	-8,1145	12,771	1,271
3,603	-8,1533	12,805	1,2546

	-8,1922	12,838	1,2381
3,6237	-8,231	12,872	1,2214
3,6341	-8,2699	12,905	1,2047
3,6445	-8,3088	12,939	1,1879
3,6549	-8,3478	12,972	1,171
3,6653	-8,3867	13,005	1,154
3,6756	-8,4256	13,038	1,1368
3,686	-8,4646	13,072	1,1196
3,6964	-8,5036	13,104	1,1023
3,7068	-8,5427	13,137	1,0849
3,7171	-8,5817	13,17	1,0673
3,7275	-8,6207	13,203	1,0497
3,7379	-8,6598	13,235	1,032
3,7482	-8,6989	13,268	1,0142
3,7586	-8,738	13,3	0,99625
3,769	-8,7771	13,332	0,97823
3,7793	-8,8163	13,365	0,96009
3,7897	-8,8555	13,397	0,94184
3,8001	-8,8947	13,429	0,92349
3,8105	-8,934	13,461	0,90504
3,8209	-8,9732	13,492	0,88652
3,8313	-9,0125	13,524	0,86788
3,8416	-9,0518	13,556	0,84914
3,852	-9,0911	13,587	0,8303
3,8624	-9,1304	13,619	0,81137
3,8728	-9,1697	13,65	0,79236
3,8831	-9,209	13,681	0,77325
3,8935	-9,2483	13,712	0,75402
3,9039	-9,2877	13,743	0,7347
3,9143	-9,327	13,774	0,71529
3,9246	-9,3664	13,805	0,69579
3,935	-9,4057	13,836	0,67621
3,9454	-9,4451	13,866	0,65651
3,9558	-9,4845	13,897	0,63672
3,9661	-9,5239	13,927	0,61683
3,9765	-9,5633	13,957	0,59686
3,9869	-9,6027	13,987	0,5768
3,9973	-9,6421	14,017	0,55664
4,	-9,6525	14,025	0,55127
4,0104	-9,6919	14,055	0,53099
4,0207	-9,7313	14,085	0,51062
4,0311	-9,7707	14,115	0,49017
4,0415	-9,8101	14,144	0,46961
4,0518	-9,8496	14,174	0,44896
4,0622	-9,8889	14,203	0,42823
4,0726	-9,9283	14,232	0,40742
4,0829	-9,9677	14,261	0,38651
4,0933	-10,007	14,29	0,36551
4,1036	-10,046	14,319	0,34443
4,1139	-10,085	14,347	0,32354
4,1242	-10,125	14,376	0,30228
4,1346	-10,164	14,404	0,28094
4,1447	-10,203	14,432	0,25989
4,1551	-10,242	14,461	0,23839
4,1654	-10,281	14,489	0,21678
4,1758	-10,321	14,517	0,19509
4,186	-10,36	14,544	0,17355
4,1962	-10,398	14,572	0,1521
4,2065	-10,437	14,599	0,13018
4,2168	-10,477	14,627	0,10815
4,2272	-10,516	14,654	8,6041e-002
4,2375	-10,555	14,682	6,3852e-002
4,2479	-10,594	14,709	4,1581e-002
4,2582	-10,634	14,736	1,9223e-002
4,2681	-10,671	14,762	-2,3229e-003
4,2785	-10,71	14,789	-2,4848e-002
4,2888	-10,75	14,815	-4,745e-002
4,2991	-10,789	14,842	-7,0134e-002
4,3094	-10,828	14,868	-9,2837e-002
4,3198	-10,867	14,895	-0,11575
4,3301	-10,906	14,921	-0,13873
4,3405	-10,945	14,947	-0,16177
4,3508	-10,985	14,973	-0,1849
4,3612	-11,024	14,999	-0,20814
4,3715	-11,063	15,025	-0,23148
4,3819	-11,102	15,05	-0,25487
4,3922	-11,141	15,076	-0,27832
4,4026	-11,18	15,101	-0,30187
4,4129	-11,219	15,126	-0,32552
4,4233	-11,258	15,151	-0,3492
4,4336	-11,297	15,176	-0,373
4,444	-11,336	15,201	-0,39687
4,4543	-11,375	15,226	-0,42083
4,4647	-11,414	15,251	-0,44484
4,475	-11,453	15,275	-0,46892
4,4853	-11,492	15,299	-0,49309
4,4957	-11,531	15,324	-0,51736

	-11,57	15,348	-0,54168
4,5164	-11,609	15,372	-0,56609
4,5267	-11,647	15,396	-0,59056
4,537	-11,686	15,419	-0,61512
4,5474	-11,725	15,443	-0,63975
4,5577	-11,764	15,466	-0,66444
4,568	-11,802	15,489	-0,68923
4,5784	-11,841	15,513	-0,71409
4,5887	-11,88	15,536	-0,73906
4,5991	-11,918	15,559	-0,76416
4,6095	-11,957	15,581	-0,78932
4,6198	-11,996	15,604	-0,81451
4,6302	-12,034	15,627	-0,83979
4,6405	-12,073	15,649	-0,86514
4,6509	-12,111	15,671	-0,89059
4,6613	-12,15	15,693	-0,91612
4,6716	-12,188	15,715	-0,94166
4,682	-12,227	15,737	-0,96727
4,6923	-12,265	15,759	-0,99294
4,7027	-12,304	15,781	-1,0188
4,713	-12,342	15,802	-1,0446
4,7234	-12,38	15,823	-1,0705
4,7337	-12,418	15,844	-1,0964
4,744	-12,456	15,865	-1,1224
4,7544	-12,495	15,886	-1,1486
4,7647	-12,533	15,907	-1,1748
4,7751	-12,571	15,928	-1,201
4,7854	-12,609	15,948	-1,2273
4,7958	-12,647	15,968	-1,2537
4,8061	-12,685	15,988	-1,2801
4,8165	-12,723	16,008	-1,3067
4,8268	-12,761	16,028	-1,3332
4,8372	-12,798	16,048	-1,3599
4,8475	-12,836	16,068	-1,3866
4,8579	-12,874	16,087	-1,4134
4,8682	-12,912	16,106	-1,4402
4,8785	-12,949	16,126	-1,4671
4,8889	-12,987	16,145	-1,4941
4,8992	-13,024	16,163	-1,5211
4,9096	-13,062	16,182	-1,5481
4,9199	-13,099	16,201	-1,5753
4,9302	-13,137	16,219	-1,6025
4,9406	-13,174	16,237	-1,6298
4,9509	-13,211	16,256	-1,6571
4,9612	-13,249	16,273	-1,6845
4,9716	-13,286	16,291	-1,7119
4,9819	-13,323	16,309	-1,7395
4,9923	-13,36	16,327	-1,767
5,	-13,388	16,34	-1,7877
5,0104	-13,425	16,357	-1,8154
5,0207	-13,462	16,374	-1,8432
5,031	-13,499	16,391	-1,871
5,0414	-13,536	16,408	-1,8989
5,0517	-13,573	16,425	-1,9268
5,0621	-13,61	16,441	-1,9548
5,0724	-13,646	16,458	-1,9828
5,0828	-13,683	16,474	-2,0109
5,0931	-13,72	16,49	-2,039
5,1034	-13,756	16,506	-2,0672
5,1138	-13,793	16,522	-2,0955
5,1241	-13,829	16,537	-2,1238
5,1344	-13,865	16,553	-2,1522
5,1448	-13,902	16,568	-2,1806
5,1551	-13,938	16,583	-2,209
5,1655	-13,974	16,599	-2,2375
5,1758	-14,01	16,613	-2,2661
5,1861	-14,046	16,628	-2,2947
5,1965	-14,082	16,643	-2,3234
5,2068	-14,118	16,657	-2,3521
5,2171	-14,154	16,671	-2,3809
5,2275	-14,19	16,686	-2,4097
5,2378	-14,226	16,7	-2,4385
5,2481	-14,261	16,713	-2,4674
5,2584	-14,297	16,727	-2,4964
5,2688	-14,333	16,741	-2,5254
5,2791	-14,368	16,754	-2,5544
5,2894	-14,404	16,767	-2,5835
5,2997	-14,439	16,78	-2,6127
5,3101	-14,474	16,793	-2,6418
5,3204	-14,509	16,806	-2,6711
5,3308	-14,545	16,818	-2,7005
5,3411	-14,58	16,831	-2,7299
5,3515	-14,615	16,843	-2,7594
5,3618	-14,65	16,855	-2,7889
5,3722	-14,685	16,867	-2,8184
5,3825	-14,72	16,879	-2,848
5,3929	-14,755	16,891	-2,8777

	-14,79	16,902	-2,9073
5,4136	-14,824	16,914	-2,937
5,4239	-14,859	16,925	-2,9667
5,4343	-14,893	16,936	-2,9966
5,4447	-14,928	16,947	-3,0264
5,455	-14,962	16,957	-3,0563
5,4653	-14,996	16,968	-3,0861
5,4757	-15,031	16,978	-3,1161
5,486	-15,065	16,989	-3,1461
5,4964	-15,099	16,999	-3,1761
5,5067	-15,133	17,009	-3,2061
5,517	-15,167	17,018	-3,2362
5,5274	-15,201	17,028	-3,2663
5,5377	-15,234	17,037	-3,2964
5,548	-15,268	17,047	-3,3266
5,5583	-15,301	17,056	-3,3568
5,5687	-15,335	17,065	-3,387
5,579	-15,368	17,073	-3,4173
5,5893	-15,402	17,082	-3,4475
5,5996	-15,435	17,09	-3,4778
5,6099	-15,468	17,099	-3,5082
5,6203	-15,501	17,107	-3,5386
5,6306	-15,534	17,115	-3,569
5,6409	-15,567	17,123	-3,5995
5,6512	-15,6	17,13	-3,6299
5,6615	-15,632	17,138	-3,6604
5,6718	-15,665	17,145	-3,691
5,6822	-15,697	17,152	-3,7216
5,6925	-15,73	17,159	-3,7522
5,7028	-15,762	17,166	-3,7828
5,7131	-15,794	17,173	-3,8134
5,7234	-15,827	17,179	-3,8441
5,7337	-15,859	17,186	-3,8749
5,7441	-15,891	17,192	-3,9057
5,7544	-15,923	17,198	-3,9365
5,7647	-15,955	17,204	-3,9674
5,7751	-15,987	17,21	-3,9983
5,7854	-16,018	17,215	-4,0293
5,7957	-16,05	17,22	-4,0602
5,8061	-16,082	17,226	-4,0912
5,8164	-16,113	17,231	-4,1222
5,8268	-16,144	17,236	-4,1532
5,8371	-16,176	17,24	-4,1842
5,8474	-16,207	17,245	-4,2153
5,8577	-16,238	17,249	-4,2464
5,8681	-16,269	17,254	-4,2775
5,8784	-16,3	17,258	-4,3086
5,8887	-16,331	17,262	-4,3398
5,899	-16,361	17,265	-4,3709
5,9093	-16,392	17,269	-4,402
5,9197	-16,422	17,272	-4,4332
5,93	-16,453	17,276	-4,4644
5,9401	-16,482	17,279	-4,495
5,9504	-16,512	17,282	-4,5262
5,9607	-16,543	17,284	-4,5575
5,9711	-16,573	17,287	-4,5888
5,9814	-16,603	17,289	-4,6202
5,9917	-16,632	17,292	-4,6515
6,	-16,656	17,293	-4,6766
6,0103	-16,686	17,295	-4,708
6,0207	-16,716	17,297	-4,7395
6,031	-16,745	17,299	-4,7709
6,0414	-16,774	17,3	-4,8024
6,0517	-16,804	17,302	-4,8338
6,062	-16,833	17,303	-4,8653
6,0724	-16,862	17,304	-4,8968
6,0827	-16,891		-4,9283
6,093	-16,92	17,305	-4,9598
6,1034	-16,949	17,306	-4,9914
6,1137	-16,977		-5,0229
6,124	-17,006		-5,0544
6,1344	-17,034		-5,086
6,1447	-17,063		-5,1176
6,155	-17,091		-5,1492
6,1653	-17,119	17,305	-5,1807
6,1757	-17,147	17,304	-5,2123
6,186	-17,175		-5,2439
6,1963	-17,203	17,302	-5,2755
6,2067	-17,23	17,301	-5,3071
6,217	-17,258	17,3	-5,3387
6,2273	-17,285	17,298	-5,3703
6,2376	-17,313	17,297	-5,402
6,248	-17,34	17,295	-5,4336
6,2583	-17,367	17,293	-5,4652
6,2686	-17,394	17,291	-5,4968
6,2789	-17,421	17,288	-5,5285
6,2892	-17,448	17,286	-5,5601

6,2996	-17,475	17,283	-5,5918
6,3099	-17,501	17,28	-5,6235
6,3202	-17,528	17,277	-5,6551
6,3305	-17,554	17,274	-5,6868
6,3409	-17,581	17,271	-5,7185
6,3512	-17,607	17,267	-5,7502
6,3615	-17,633	17,264	-5,7818
6,3719	-17,659	17,26	-5,8135
6,3822	-17,684	17,256	-5,8452
6,3925	-17,71	17,252	-5,8769
6,4028	-17,736	17,248	-5,9085
6,4132	-17,761	17,243	-5,9402
6,4235	-17,787	17,238	-5,9719
6,4338	-17,812	17,234	-6,0036
6,4441	-17,837	17,229	-6,0352
6,4545	-17,862	17,223	-6,0669
6,4648	-17,887	17,218	-6,0986
6,4751	-17,912	17,213	-6,1302
6,4854	-17,936	17,207	-6,1618
6,4957	-17,961	17,201	-6,1935
6,5061	-17,985	17,195	-6,2251
6,5164	-18,01	17,189	-6,2567
6,5267	-18,034	17,183	-6,2884
6,537	-18,058	17,176	-6,3199
6,5473	-18,082	17,17	-6,3515
6,5576	-18,106	17,163	-6,3831
6,568	-18,129	17,156	-6,4147
6,5783	-18,153	17,149	-6,4462
6,5886	-18,176	17,142	-6,4778
6,5989	-18,2	17,134	-6,5093
6,6092	-18,223	17,126	-6,5409
6,6195	-18,246	17,119	-6,5724
6,6298	-18,269	17,111	-6,6038
6,6401	-18,292	17,103	-6,6353
6,6504	-18,314	17,094	-6,6667
6,6607	-18,337	17,086	-6,6981
6,671	-18,359	17,077	-6,7295
6,6813	-18,382	17,069	-6,7609
6,6916	-18,404	17,06	-6,7922
6,7019	-18,426	17,051	-6,8236
6,7121	-18,448	17,042	-6,8549
6,7224	-18,47	17,032	-6,8862
6,7327	-18,491	17,023	-6,9175
6,743	-18,513	17,013	-6,9488
6,7533	-18,534	17,003	-6,98
6,7636	-18,556	16,993	-7,0113
6,7738	-18,577	16,983	-7,0425
6,7841	-18,598	16,972	-7,0736
6,7944	-18,619	16,962	-7,1048
6,8047	-18,64	16,951	-7,1361
6,815	-18,66	16,94	-7,1674
6,8253	-18,681	16,929	-7,1985
6,8356	-18,701	16,918	-7,2296
6,8459	-18,722	16,907	-7,2607
6,8562	-18,742	16,895	-7,2918
6,8664	-18,762	16,884	-7,3228
6,8768	-18,782	16,872	-7,3541
6,8872	-18,802	16,86	-7,3852
6,8975	-18,822	16,848	-7,4165
6,9079	-18,841	16,835	-7,4476
6,9182	-18,861	16,823	-7,4788
6,9286	-18,88	16,81	-7,51
6,939	-18,9	16,797	-7,5411
6,9493	-18,919	16,784	-7,5722
6,9597	-18,938	16,771	-7,6033
6,9701	-18,957	16,758	-7,6344
6,9805	-18,975	16,744	-7,6655
6,9908	-18,994	16,73	-7,6965
7,	-19,01	16,718	-7,7239
7,0104	-19,029	16,704	-7,7549
7,0207	-19,047	16,69	-7,7858
7,0311	-19,065	16,676	-7,8167
7,0415	-19,083	16,661	-7,8475
7,0518	-19,101	16,647	-7,8784
7,0622	-19,119	16,632	-7,9092
7,0726	-19,136	16,617	-7,9399
7,0829	-19,154	16,602	-7,9706
7,0933	-19,171	16,587	-8,0013
7,1036	-19,188	16,571	-8,032
7,114	-19,205	16,556	-8,0626
7,1244	-19,222	16,54	-8,0932
7,1347	-19,239	16,524	-8,1237
7,1451	-19,255	16,508	-8,1542
7,1554	-19,272	16,492	-8,1847
7,1658	-19,288	16,476	-8,2151
7,1761	-19,304	16,459	-8,2455
7,1865	-19,32	16,443	-8,2759

	-19,336	16,426	-8,3062
7,2072	-19,352	16,409	-8,3365
7,2175	-19,368	16,392	-8,3667
7,2278	-19,383	16,375	-8,3969
7,2382	-19,398	16,357	-8,4271
7,2485	-19,414	16,34	-8,4572
7,2589	-19,429	16,322	-8,4872
7,2692	-19,444	16,304	-8,5173
7,2795	-19,458	16,286	-8,5473
7,2899	-19,473	16,268	-8,5772
7,3002	-19,488	16,25	-8,6071
7,3106	-19,502	16,231	-8,637
7,3209	-19,516	16,212	-8,6668
7,3312	-19,53	16,194	-8,6966
7,3416	-19,544	16,175	-8,7263
7,3519	-19,558	16,156	-8,756
7,3623	-19,572	16,136	-8,7857
7,3727	-19,585	16,117	-8,8155
7,383	-19,599	16,097	-8,8452
7,3934	-19,612	16,078	-8,8748
7,4038	-19,625	16,058	-8,9046
7,4142	-19,638	16,038	-8,934
7,4246	-19,651	16,017	-8,9636
7,435	-19,664	15,997	-8,9932
7,4454	-19,676	15,976	-9,0225
7,4558	-19,689	15,956	-9,0519
7,4661	-19,701	15,935	-9,0812
7,4765	-19,713	15,914	-9,1105
7,4869	-19,725	15,893	-9,1397
7,4972	-19,737	15,871	-9,1688
7,5076	-19,749	15,85	-9,1979
7,518	-19,76	15,829	-9,227
7,5284	-19,772	15,807	-9,256
7,5387	-19,783	15,785	-9,2849
7,5491	-19,794	15,763	-9,3138
7,5595	-19,805	15,741	-9,3427
7,5699	-19,816	15,719	-9,3715
7,5802	-19,827	15,696	-9,4002
7,5906	-19,837	15,674	-9,4289
7,601	-19,848	15,651	-9,4575
7,6113	-19,858	15,628	-9,4861
7,6217	-19,868	15,605	-9,5146
7,6321	-19,878	15,582	-9,5431
7,6424	-19,888	15,558	-9,5715
7,6528	-19,898	15,535	-9,5998
7,6632	-19,907	15,511	-9,6281
7,6735	-19,916	15,488	-9,6563
7,6839	-19,926	15,464	-9,6845
7,6942	-19,935	15,44	-9,7126
7,7046	-19,944	15,416	-9,7406
7,7149	-19,952	15,392	-9,7686
7,7253	-19,961	15,367	-9,7965
7,7356	-19,979	15,343	-9,8244
7,746	-19,999	15,318	-9,8521
7,7563	-20,02	15,293	-9,8799
7,7667	-20,04	15,268	-9,9075
7,777	-20,059	15,243	-9,9351
7,7873	-20,079	15,218	-9,9626
7,7977	-20,099	15,193	-9,9901
7,808	-20,118	15,167	-10,017
7,8184	-20,137	15,141	-10,045
7,8287	-20,156	15,116	-10,072
7,839	-20,175	15,09	-10,099
7,8494	-20,194	15,064	-10,126
7,8597	-20,213	15,038	-10,154
7,8701	-20,231	15,011	-10,181
7,8804	-20,25	14,985	-10,208
7,8908	-20,268	14,958	-10,235
7,9012	-20,286	14,931	-10,262
7,9115	-20,304	14,904	-10,288
7,9215	-20,321	14,878	-10,314
7,9316	-20,339	14,852	-10,34
7,9418	-20,356	14,825	-10,366
7,952	-20,373	14,798	-10,393
7,9621	-20,39	14,771	-10,419
7,9723	-20,407	14,744	-10,445
7,9825	-20,423	14,716	-10,47
7,9926	-20,44	14,689	-10,496
8,	-20,452	14,669	-10,515
8,0101	-20,468	14,642	-10,54
8,0203	-20,484	14,614	-10,566
8,0305	-20,5	14,586	-10,592
8,0407	-20,516	14,558	-10,617
8,0508	-20,532	14,53	-10,643
8,061	-20,547	14,501	-10,668
8,0712	-20,562	14,473	-10,693
8,0813	-20,578	14,444	-10,719



	-20,593	14,416	-10,744
8,1017	-20,608	14,387	-10,769
8,112	-20,623	14,358	-10,794
8,1222	-20,638	14,329	-10,819
8,1324	-20,652	14,299	-10,844
8,1426	-20,667	14,27	-10,869
8,1529	-20,681	14,24	-10,894
8,1631	-20,695	14,211	-10,919
8,1733	-20,709	14,181	-10,944
8,1836	-20,723	14,151	-10,968
8,1938	-20,737	14,121	-10,993
8,2041	-20,75	14,091	-11,017
8,2143	-20,764	14,06	-11,042
8,2245	-20,777	14,03	-11,066
8,2348	-20,79	13,999	-11,091
8,245	-20,803	13,969	-11,115
8,2552	-20,816	13,938	-11,139
8,2654	-20,829	13,907	-11,163
8,2757	-20,841	13,876	-11,187
8,2859	-20,853	13,845	-11,211
8,2961	-20,866	13,814	-11,235
8,3064	-20,878	13,783	-11,259
8,3166	-20,89	13,751	-11,282
8,3268	-20,901	13,72	-11,306
8,337	-20,913	13,688	-11,329
8,3473	-20,925	13,656	-11,353
8,3575	-20,936	13,624	-11,376
8,3677	-20,947	13,592	-11,399
8,3779	-20,958	13,56	-11,423
8,3881	-20,969	13,528	-11,446
8,3984	-20,98	13,496	-11,469
8,4086	-20,99	13,463	-11,492
8,4188	-21,	13,431	-11,514
8,429	-21,011	13,398	-11,537
8,4392	-21,021	13,365	-11,56
8,4494	-21,031	13,333	-11,583
8,4597	-21,041	13,3	-11,605
8,4699	-21,05	13,267	-11,627
8,4801	-21,06	13,233	-11,65
8,4903	-21,069	13,2	-11,672
8,5006	-21,078	13,166	-11,694
8,5108	-21,087	13,133	-11,717
8,5211	-21,096	13,099	-11,739
8,5314	-21,105	13,065	-11,761
8,5417	-21,114	13,031	-11,783
8,552	-21,122	12,997	-11,805
8,5622	-21,13	12,963	-11,827
8,5725	-21,138	12,929	-11,848
8,5828	-21,146	12,894	-11,87
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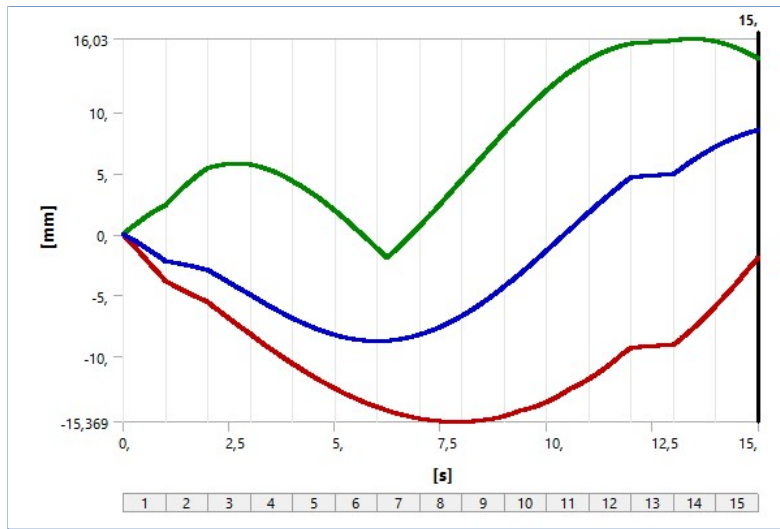
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12,615	-17,338	-0,77848	-13,306
12,625	-17,34	-0,78049	-13,308
12,636	-17,342	-0,78251	-13,31
12,646	-17,344	-0,78453	-13,312
12,656	-17,346	-0,78655	-13,314
12,666	-17,348	-0,78856	-13,316
12,676	-17,35	-0,79058	-13,318
12,686	-17,352	-0,7926	-13,32
12,696	-17,354	-0,79462	-13,322
12,706	-17,356	-0,79664	-13,324
12,716	-17,358	-0,79865	-13,326
12,726	-17,36	-0,80067	-13,328
12,736	-17,362	-0,80269	-13,33
12,747	-17,364	-0,80471	-13,332
12,757	-17,366	-0,80672	-13,334
12,767	-17,368	-0,80874	-13,336
12,777	-17,37	-0,81076	-13,338
12,787	-17,372	-0,81278	-13,34
12,797	-17,374	-0,81479	-13,342
12,807	-17,376	-0,81681	-13,344
12,817	-17,378	-0,81883	-13,346
12,827	-17,38	-0,82085	-13,348
12,837	-17,383	-0,82286	-13,35
12,847	-17,385	-0,82488	-13,352
12,857	-17,387	-0,8269	-13,354
12,868	-17,389	-0,82892	-13,356
12,878	-17,391	-0,83093	-13,358
12,888	-17,393	-0,83295	-13,36
12,898	-17,395	-0,83497	-13,362
12,908	-17,397	-0,83699	-13,364
12,918	-17,399	-0,83901	-13,366
12,928	-17,401	-0,84102	-13,368
12,938	-17,403	-0,84304	-13,37
12,948	-17,405	-0,84506	-13,372
12,958	-17,407	-0,84708	-13,374
12,968	-17,409	-0,84909	-13,376
12,979	-17,411	-0,85111	-13,378
12,989	-17,413	-0,85313	-13,38
12,999	-17,415	-0,85515	-13,382
13,		-0,8554	-13,383
13,01	-17,391	-0,89029	-13,369
13,02	-17,367	-0,92507	-13,354
13,03	-17,342	-0,95977	-13,34
13,04	-17,318	-0,99436	-13,326
13,05	-17,293	-1,0289	-13,312
13,061	-17,269	-1,0633	-13,297
13,071	-17,244	-1,0976	-13,282
13,081	-17,22	-1,1318	-13,268
13,091	-17,196	-1,1659	-13,253
13,101	-17,172	-1,1999	-13,238
13,111	-17,148	-1,2338	-13,223
13,121	-17,123	-1,2677	-13,208
13,131	-17,099	-1,3014	-13,193
13,141	-17,075	-1,335	-13,178
13,151	-17,05	-1,3685	-13,162
13,161	-17,025	-1,4019	-13,147
13,171	-17,001	-1,4352	-13,131
13,182	-16,976	-1,4684	-13,116
13,192	-16,951	-1,5016	-13,1
13,202	-16,926	-1,5346	-13,084
13,212	-16,9	-1,5675	-13,068
13,222	-16,875	-1,6003	-13,052
13,232	-16,849	-1,633	-13,036
13,242	-16,824	-1,6656	-13,02
13,252	-16,798	-1,698	-13,004
13,262	-16,773	-1,7304	-12,988
13,272	-16,747	-1,7627	-12,971
13,282	-16,721	-1,7929	-12,955
13,293	-16,695	-1,8229	-12,938
13,303	-16,669	-1,8528	-12,922
13,313	-16,644	-1,8826	-12,905
13,323	-16,619	-1,9124	-12,888
13,333	-16,594	-1,942	-12,871
13,343	-16,568	-1,9715	-12,854
13,353	-16,543	-2,0009	-12,837
13,363	-16,518	-2,0302	-12,82
13,373	-16,492	-2,0594	-12,803

13,383	-16,466	-2,0885	-12,785
13,393	-16,441	-2,1175	-12,768
13,404	-16,415	-2,1464	-12,751
13,414	-16,389	-2,1752	-12,733
13,424	-16,363	-2,2039	-12,715
13,434	-16,336	-2,2325	-12,698
13,444	-16,31	-2,261	-12,68
13,454	-16,284	-2,2894	-12,662
13,464	-16,257	-2,3176	-12,644
13,474	-16,231	-2,3458	-12,626
13,484	-16,204	-2,3739	-12,608
13,494	-16,177	-2,4018	-12,589
13,504	-16,15	-2,4297	-12,571
13,515	-16,123	-2,4574	-12,553
13,525	-16,096	-2,485	-12,534
13,535	-16,069	-2,5125	-12,516
13,545	-16,042	-2,54	-12,497
13,555	-16,014	-2,5672	-12,478
13,565	-15,987	-2,5944	-12,46
13,575	-15,959	-2,6215	-12,441
13,585	-15,931	-2,6485	-12,422
13,595	-15,903	-2,6753	-12,403
13,605	-15,877	-2,7021	-12,384
13,615	-15,85	-2,7287	-12,365
13,625	-15,824	-2,7552	-12,345
13,636	-15,797	-2,7817	-12,326
13,646	-15,771	-2,808	-12,307
13,656	-15,744	-2,8341	-12,287
13,666	-15,717	-2,8602	-12,268
13,676	-15,69	-2,8862	-12,248
13,686	-15,663	-2,912	-12,228
13,696	-15,636	-2,9377	-12,209
13,706	-15,609	-2,9633	-12,189
13,716	-15,582	-2,9888	-12,169
13,726	-15,554	-3,0142	-12,149
13,736	-15,527	-3,0395	-12,129
13,747	-15,499	-3,0646	-12,109
13,757	-15,472	-3,0897	-12,089
13,767	-15,444	-3,1146	-12,068
13,777	-15,416	-3,1394	-12,048
13,787	-15,388	-3,1641	-12,027
13,797	-15,36	-3,1886	-12,007
13,807	-15,332	-3,2131	-11,986
13,817	-15,303	-3,2374	-11,966
13,827	-15,275	-3,2616	-11,945
13,837	-15,246	-3,2857	-11,924
13,847	-15,218	-3,3097	-11,904
13,858	-15,189	-3,3335	-11,883
13,868	-15,16	-3,3572	-11,862
13,878	-15,131	-3,3808	-11,841
13,888	-15,102	-3,4043	-11,82
13,898	-15,073	-3,4277	-11,798
13,908	-15,044	-3,4509	-11,777
13,918	-15,015	-3,474	-11,756
13,928	-14,986	-3,497	-11,734
13,938	-14,956	-3,5199	-11,713
13,948	-14,927	-3,5427	-11,692
13,958	-14,897	-3,5653	-11,67
13,968	-14,868	-3,5878	-11,648
13,979	-14,838	-3,6102	-11,627
13,989	-14,808	-3,6324	-11,605
13,999	-14,778	-3,6546	-11,583
14,	-14,774	-3,6573	-11,58
14,01	-14,744	-3,6793	-11,558
14,02	-14,714	-3,7012	-11,536
14,03	-14,684	-3,7229	-11,514
14,04	-14,653	-3,7445	-11,492
14,05	-14,623	-3,766	-11,47
14,061	-14,593	-3,7874	-11,448
14,071	-14,563	-3,8086	-11,426
14,081	-14,535	-3,8297	-11,403
14,091	-14,507	-3,8507	-11,381
14,101	-14,479	-3,8715	-11,359
14,111	-14,45	-3,8923	-11,336
14,121	-14,422	-3,9129	-11,313
14,131	-14,394	-3,9333	-11,291
14,141	-14,365	-3,9537	-11,268
14,151	-14,337	-3,9739	-11,245
14,161	-14,308	-3,994	-11,223
14,172	-14,279	-4,0139	-11,2
14,182	-14,25	-4,0337	-11,177
14,192	-14,221	-4,0534	-11,154
14,202	-14,192	-4,073	-11,131
14,212	-14,163	-4,0924	-11,108
14,222	-14,134	-4,1117	-11,085
14,232	-14,104	-4,1309	-11,061
14,242	-14,075	-4,1499	-11,038

	-14,046	-4,1688	-11,015
14,262	-14,016	-4,1876	-10,992
14,272	-13,986	-4,2062	-10,968
14,282	-13,956	-4,2248	-10,945
14,293	-13,927	-4,2431	-10,921
14,303	-13,897	-4,2614	-10,898
14,313	-13,866	-4,2795	-10,874
14,323	-13,836	-4,2975	-10,85
14,333	-13,806	-4,3153	-10,827
14,343	-13,776	-4,333	-10,803
14,353	-13,745	-4,3506	-10,779
14,363	-13,715	-4,368	-10,755
14,373	-13,684	-4,3853	-10,731
14,383	-13,654	-4,4025	-10,707
14,393	-13,623	-4,4195	-10,683
14,404	-13,592	-4,4364	-10,659
14,414	-13,561	-4,4532	-10,635
14,424	-13,53	-4,4698	-10,611
14,434	-13,499	-4,4863	-10,587
14,444	-13,468	-4,5027	-10,562
14,454	-13,437	-4,5189	-10,538
14,464	-13,405	-4,535	-10,514
14,474	-13,374	-4,5509	-10,489
14,484	-13,343	-4,5667	-10,465
14,494	-13,311	-4,5824	-10,44
14,504	-13,279	-4,5979	-10,416
14,514	-13,248	-4,6133	-10,391
14,525	-13,216	-4,6286	-10,367
14,535	-13,184	-4,6437	-10,342
14,545	-13,152	-4,6587	-10,317
14,555	-13,12	-4,6736	-10,293
14,565	-13,088	-4,6883	-10,268
14,575	-13,056	-4,7029	-10,243
14,585	-13,024	-4,7173	-10,218
14,595	-12,991	-4,7316	-10,193
14,605	-12,959	-4,7457	-10,168
14,615	-12,926	-4,7598	-10,143
14,625	-12,894	-4,7736	-10,118
14,635	-12,861	-4,7874	-10,093
14,646	-12,829	-4,801	-10,068
14,656	-12,796	-4,8144	-10,043
14,666	-12,763	-4,8277	-10,018
14,676	-12,732	-4,8409	-9,9925
14,686	-12,702	-4,8539	-9,9672
14,696	-12,671	-4,8668	-9,9419
14,706	-12,64	-4,8796	-9,9166
14,716	-12,609	-4,8922	-9,8912
14,726	-12,578	-4,9046	-9,8658
14,736	-12,547	-4,917	-9,8404
14,746	-12,516	-4,9292	-9,8149
14,756	-12,485	-4,9412	-9,7894
14,767	-12,453	-4,9531	-9,7639
14,777	-12,422	-4,9649	-9,7383
14,787	-12,39	-4,9765	-9,7127
14,797	-12,359	-4,9879	-9,6871
14,807	-12,327	-4,9993	-9,6614
14,817	-12,296	-5,0105	-9,6357
14,827	-12,264	-5,0215	-9,61
14,837	-12,232	-5,0324	-9,5842
14,847	-12,2	-5,0432	-9,5584
14,857	-12,168	-5,0538	-9,5326
14,867	-12,136	-5,0642	-9,5068
14,877	-12,104	-5,0746	-9,4809
14,887	-12,071	-5,0848	-9,455
14,898	-12,039	-5,0948	-9,429
14,908	-12,007	-5,1047	-9,4031
14,918	-11,974	-5,1145	-9,3771
14,928	-11,942	-5,1241	-9,3511
14,938	-11,909	-5,1335	-9,325
14,948	-11,876	-5,1429	-9,2989
14,958	-11,843	-5,152	-9,2728
14,968	-11,811	-5,1611	-9,2467
14,978	-11,778	-5,17	-9,2206
14,988	-11,745	-5,1787	-9,1944
14,998	-11,712	-5,1873	-9,1682
15,	-11,706	-5,1887	-9,1639

**FIGURE 48**  
**Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Directional Deformation A Z**





**TABLE 42**  
**Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Directional Deformation A Z**

Time [s]	Minimum [mm]	Maximum [mm]	Average [mm]
1,1755e-038	0,	0,	0,
1,0443e-002	-3,8687e-002	3,1204e-002	-1,9148e-002
2,0904e-002	-7,749e-002	6,2349e-002	-3,8423e-002
3,1366e-002	-0,11634	9,3378e-002	-5,779e-002
4,1827e-002	-0,15524	0,12429	-7,7248e-002
5,2289e-002	-0,19418	0,15509	-9,6798e-002
6,275e-002	-0,23317	0,18576	-0,11644
7,3211e-002	-0,2722	0,21632	-0,13617
8,3672e-002	-0,31127	0,24677	-0,15599
9,4132e-002	-0,35039	0,27709	-0,1759
0,10459	-0,38955	0,30729	-0,19591
0,11505	-0,42875	0,33737	-0,216
0,12551	-0,46799	0,36733	-0,23617
0,13597	-0,50726	0,39717	-0,25644
0,14643	-0,54658	0,42689	-0,2768
0,15689	-0,58594	0,45648	-0,29724
0,16735	-0,62533	0,48595	-0,31777
0,17781	-0,66476	0,5153	-0,33839
0,18826	-0,70423	0,54453	-0,35909
0,19872	-0,74373	0,57363	-0,37988
0,20918	-0,78326	0,6026	-0,40075
0,21963	-0,82283	0,63145	-0,42171
0,23009	-0,86243	0,66017	-0,44276
0,24054	-0,90206	0,68876	-0,46388
0,25099	-0,94173	0,71723	-0,4851
0,26145	-0,98142	0,74557	-0,50639
0,2719	-1,0211	0,77378	-0,52777
0,28235	-1,0609	0,80186	-0,54923
0,2928	-1,1007	0,82981	-0,57078
0,30326	-1,1405	0,85764	-0,59241
0,31371	-1,1804	0,88535	-0,61413
0,32417	-1,2203	0,91295	-0,63595
0,33464	-1,2602	0,94042	-0,65785
0,3451	-1,3002	0,96775	-0,67982
0,35556	-1,3402	0,99496	-0,70188
0,36602	-1,3802	1,022	-0,72403
0,37648	-1,4202	1,049	-0,74625
0,38694	-1,4603	1,0758	-0,76855
0,3974	-1,5004	1,1025	-0,79094
0,40786	-1,5405	1,129	-0,8134
0,41832	-1,5807	1,1554	-0,83594
0,42878	-1,6208	1,1817	-0,85856
0,43924	-1,661	1,2078	-0,88126
0,4497	-1,7012	1,2339	-0,90404
0,46016	-1,7415	1,2597	-0,9269
0,47062	-1,7817	1,2855	-0,94983
0,48108	-1,822	1,3111	-0,97284
0,49154	-1,8623	1,3365	-0,99593
0,502	-1,9026	1,3619	-1,0191
0,51246	-1,9429	1,3871	-1,0423
0,52292	-1,9832	1,4121	-1,0657
0,53337	-2,0236	1,437	-1,089
0,54383	-2,0639	1,4618	-1,1125
0,55429	-2,1043	1,4865	-1,1361
0,56475	-2,1447	1,511	-1,1597
0,57521	-2,1851	1,5353	-1,1834
0,58567	-2,2256	1,5596	-1,2071
0,59613	-2,266	1,5837	-1,231
0,60658	-2,3064	1,6076	-1,2549
0,61704	-2,3469	1,6314	-1,2788

0,6275	-2,3874	1,6551	-1,3029
0,63796	-2,4278	1,6786	-1,327
0,64842	-2,4683	1,702	-1,3512
0,65887	-2,5088	1,7252	-1,3755
0,66933	-2,5493	1,7483	-1,3998
0,67979	-2,5898	1,7713	-1,4242
0,69025	-2,6304	1,7941	-1,4487
0,70071	-2,6709	1,8168	-1,4733
0,71117	-2,7114	1,8393	-1,4979
0,72162	-2,7519	1,8617	-1,5226
0,73208	-2,7925	1,8839	-1,5473
0,74254	-2,833	1,906	-1,5721
0,753	-2,8736	1,9279	-1,597
0,76346	-2,9141	1,9497	-1,622
0,77392	-2,9547	1,9714	-1,647
0,78438	-2,9952	1,9929	-1,6721
0,79484	-3,0358	2,0143	-1,6973
0,80529	-3,0763	2,0355	-1,7225
0,81575	-3,1169	2,0565	-1,7478
0,82621	-3,1574	2,0775	-1,7731
0,83667	-3,1979	2,0982	-1,7985
0,84713	-3,2385	2,1189	-1,824
0,85759	-3,279	2,1393	-1,8495
0,86805	-3,3195	2,1596	-1,8751
0,8785	-3,3601	2,1798	-1,9008
0,88896	-3,4006	2,1998	-1,9265
0,89942	-3,4411	2,2197	-1,9523
0,90988	-3,4816	2,2394	-1,9782
0,92033	-3,5221	2,259	-2,0041
0,93079	-3,5626	2,2784	-2,03
0,94124	-3,603	2,2977	-2,0561
0,9517	-3,6435	2,3168	-2,0822
0,96216	-3,6839	2,3358	-2,1083
0,97261	-3,7244	2,3546	-2,1345
0,98307	-3,7648	2,3732	-2,1608
0,99352	-3,8052	2,3917	-2,1871
1,	-3,8303	2,4031	-2,2034
1,0105	-3,8496	2,4424	-2,2088
1,0209	-3,869	2,4815	-2,2143
1,0314	-3,8884	2,5205	-2,2198
1,0418	-3,9077	2,5593	-2,2254
1,0523	-3,927	2,5979	-2,231
1,0627	-3,9463	2,6364	-2,2367
1,0732	-3,9656	2,6747	-2,2425
1,0836	-3,9849	2,7129	-2,2482
1,0941	-4,0041	2,7509	-2,2541
1,1045	-4,0234	2,7888	-2,26
1,115	-4,0426	2,8265	-2,266
1,1255	-4,0618	2,864	-2,272
1,1359	-4,081	2,9014	-2,278
1,1464	-4,1001	2,9387	-2,2841
1,1568	-4,1192	2,9757	-2,2903
1,1673	-4,1383	3,0127	-2,2965
1,1777	-4,1574	3,0494	-2,3028
1,1882	-4,1765	3,086	-2,3091
1,1986	-4,1955	3,1225	-2,3154
1,2091	-4,2145	3,1588	-2,3218
1,2195	-4,2335	3,1949	-2,3283
1,23	-4,2524	3,2309	-2,3348
1,2404	-4,2714	3,2667	-2,3414
1,2509	-4,2902	3,3023	-2,348
1,2613	-4,3091	3,3378	-2,3546
1,2718	-4,3279	3,3732	-2,3613
1,2823	-4,3468	3,4083	-2,368
1,2927	-4,3655	3,4434	-2,3748
1,3032	-4,3843	3,4782	-2,3817
1,3136	-4,403	3,5129	-2,3885
1,3241	-4,4217	3,5474	-2,3955
1,3345	-4,4403	3,5818	-2,4024
1,345	-4,4589	3,616	-2,4094
1,3554	-4,4775	3,6501	-2,4165
1,3659	-4,496	3,684	-2,4236
1,3763	-4,5145	3,7177	-2,4307
1,3868	-4,533	3,7512	-2,4379
1,3972	-4,5514	3,7846	-2,4451
1,4077	-4,5698	3,8179	-2,4523
1,4181	-4,5882	3,8509	-2,4596
1,4286	-4,6065	3,8838	-2,467
1,439	-4,6248	3,9166	-2,4743
1,4495	-4,643	3,9492	-2,4818
1,4599	-4,6612	3,9816	-2,4892
1,4704	-4,6793	4,0138	-2,4967
1,4808	-4,6974	4,0459	-2,5042
1,4913	-4,7155	4,0779	-2,5118
1,5017	-4,7335	4,1096	-2,5194
1,5122	-4,7515	4,1412	-2,527
1,5226	-4,7694	4,1726	-2,5347

	-4,7873	4,2039	-2,5424
1,5435	-4,8051	4,235	-2,5501
1,554	-4,8229	4,2659	-2,5579
1,5644	-4,8407	4,2967	-2,5657
1,5749	-4,8584	4,3273	-2,5735
1,5853	-4,876	4,3577	-2,5814
1,5958	-4,8936	4,388	-2,5893
1,6062	-4,9112	4,4181	-2,5972
1,6167	-4,9287	4,4481	-2,6052
1,6271	-4,9461	4,4778	-2,6132
1,6376	-4,9635	4,5074	-2,6212
1,648	-4,9809	4,5369	-2,6293
1,6585	-4,9981	4,5662	-2,6374
1,669	-5,0154	4,5953	-2,6455
1,6794	-5,0326	4,6242	-2,6536
1,6899	-5,0497	4,653	-2,6618
1,7003	-5,0668	4,6816	-2,67
1,7108	-5,0838	4,7101	-2,6782
1,7212	-5,1008	4,7383	-2,6865
1,7317	-5,1177	4,7665	-2,6947
1,7421	-5,1345	4,7944	-2,703
1,7526	-5,1513	4,8222	-2,7114
1,763	-5,168	4,8498	-2,7197
1,7735	-5,1847	4,8772	-2,7281
1,7839	-5,2013	4,9045	-2,7365
1,7944	-5,2179	4,9316	-2,7449
1,8048	-5,2344	4,9585	-2,7534
1,8153	-5,2508	4,9853	-2,7619
1,8257	-5,2671	5,0119	-2,7703
1,8362	-5,2834	5,0383	-2,7789
1,8466	-5,2997	5,0646	-2,7874
1,8571	-5,3158	5,0907	-2,7959
1,8675	-5,332	5,1166	-2,8045
1,878	-5,348	5,1424	-2,8131
1,8885	-5,364	5,168	-2,8217
1,8989	-5,3799	5,1934	-2,8304
1,9094	-5,3973	5,2186	-2,839
1,9198	-5,4149	5,2437	-2,8477
1,9303	-5,4323	5,2686	-2,8564
1,9407	-5,4497	5,2934	-2,8651
1,9512	-5,4671	5,318	-2,8738
1,9616	-5,4844	5,3424	-2,8825
1,9721	-5,5017	5,3666	-2,8913
1,9825	-5,5189	5,3907	-2,9
1,993	-5,536	5,4146	-2,9088
2,	-5,5475	5,4305	-2,9147
2,0105	-5,577	5,4417	-2,936
2,0209	-5,6065	5,4527	-2,9572
2,0313	-5,6357	5,4634	-2,9784
2,0417	-5,6649	5,474	-2,9996
2,0521	-5,694	5,4844	-3,0208
2,0625	-5,723	5,4947	-3,042
2,0729	-5,752	5,5048	-3,0632
2,0833	-5,781	5,5147	-3,0844
2,0937	-5,8099	5,5244	-3,1056
2,1041	-5,8387	5,534	-3,1269
2,1145	-5,8676	5,5435	-3,1482
2,1249	-5,8963	5,5527	-3,1695
2,1353	-5,925	5,5618	-3,1908
2,1457	-5,9536	5,5707	-3,2121
2,1562	-5,9822	5,5795	-3,2334
2,1666	-6,0107	5,5881	-3,2547
2,177	-6,0391	5,5965	-3,276
2,1874	-6,0675	5,6047	-3,2973
2,1978	-6,0958	5,6128	-3,3187
2,2082	-6,124	5,6207	-3,34
2,2186	-6,1522	5,6284	-3,3613
2,229	-6,1803	5,636	-3,3827
2,2394	-6,2083	5,6434	-3,404
2,2499	-6,2363	5,6506	-3,4254
2,2603	-6,2641	5,6577	-3,4467
2,2707	-6,292	5,6646	-3,468
2,2811	-6,3197	5,6713	-3,4894
2,2915	-6,3474	5,6779	-3,5107
2,3019	-6,375	5,6843	-3,5321
2,3123	-6,4025	5,6905	-3,5534
2,3227	-6,4299	5,6965	-3,5747
2,3331	-6,4573	5,7024	-3,5961
2,3435	-6,4846	5,7081	-3,6174
2,3539	-6,5118	5,7137	-3,6388
2,3643	-6,539	5,7191	-3,6601
2,3747	-6,5661	5,7243	-3,6814
2,3851	-6,5931	5,7293	-3,7027
2,3955	-6,62	5,7342	-3,724
2,4059	-6,6468	5,7389	-3,7454
2,4163	-6,6736	5,7435	-3,7667
2,4267	-6,7003	5,7478	-3,7879

	-6,7269	5,752	-3,8092
2,4475	-6,7534	5,7561	-3,8305
2,4579	-6,7799	5,76	-3,8518
2,4684	-6,8063	5,7637	-3,8731
2,4788	-6,8326	5,7672	-3,8943
2,4892	-6,8588	5,7706	-3,9156
2,4996	-6,8855	5,7738	-3,9368
2,51	-6,9137	5,7768	-3,9581
2,5204	-6,9419	5,7797	-3,9793
2,5308	-6,9701	5,7824	-4,0005
2,5412	-6,9981	5,7849	-4,0217
2,5516	-7,0261	5,7873	-4,0429
2,562	-7,054	5,7895	-4,0641
2,5724	-7,0819	5,7915	-4,0853
2,5828	-7,1097	5,7934	-4,1064
2,5932	-7,1374	5,7951	-4,1276
2,6036	-7,165	5,7966	-4,1487
2,614	-7,1926	5,798	-4,1698
2,6244	-7,2201	5,7992	-4,1909
2,6348	-7,2475	5,8002	-4,212
2,6452	-7,2748	5,8011	-4,233
2,6556	-7,3021	5,8018	-4,2541
2,666	-7,3293	5,8024	-4,2751
2,6764	-7,3564	5,8027	-4,2961
2,6868	-7,3835		-4,3171
2,6972	-7,4104	5,803	-4,3381
2,7076	-7,4373	5,8029	-4,359
2,718	-7,4641	5,8026	-4,38
2,7284	-7,4909	5,8022	-4,4009
2,7388	-7,5175	5,8016	-4,4218
2,7492	-7,5441	5,8008	-4,4427
2,7596	-7,5706	5,7998	-4,4635
2,77	-7,597	5,7987	-4,4843
2,7804	-7,6233	5,7975	-4,5052
2,7908	-7,6496	5,796	-4,5259
2,8012	-7,6757	5,7945	-4,5467
2,8116	-7,7018	5,7927	-4,5675
2,822	-7,7278	5,7908	-4,5882
2,8324	-7,7538	5,7887	-4,6089
2,8428	-7,7796	5,7865	-4,6295
2,8532	-7,8054	5,784	-4,6502
2,8636	-7,831	5,7815	-4,6708
2,874	-7,8566	5,7787	-4,6914
2,8844	-7,8821	5,7758	-4,712
2,8948	-7,9075	5,7728	-4,7325
2,9052	-7,9328	5,7696	-4,753
2,9156	-7,9581	5,7662	-4,7735
2,926	-7,9832	5,7627	-4,794
2,9364	-8,0083	5,759	-4,8144
2,9468	-8,0333	5,7551	-4,8348
2,9572	-8,0581	5,7511	-4,8551
2,9676	-8,0829	5,7469	-4,8755
2,978	-8,1076	5,7426	-4,8958
2,9884	-8,1321	5,7381	-4,916
2,9987	-8,1566	5,7334	-4,9362
3,	-8,1595	5,7328	-4,9386
3,0104	-8,186	5,7259	-4,9609
3,0208	-8,2124	5,7189	-4,9832
3,0312	-8,239	5,7116	-5,0054
3,0416	-8,2673	5,7042	-5,0275
3,052	-8,2955	5,6967	-5,0497
3,0624	-8,3236	5,689	-5,0718
3,0728	-8,3517	5,6811	-5,0939
3,0832	-8,3796	5,6731	-5,116
3,0936	-8,4074	5,6649	-5,138
3,104	-8,4352	5,6566	-5,16
3,1145	-8,4629	5,648	-5,1819
3,1249	-8,4905	5,6394	-5,2038
3,1353	-8,518	5,6306	-5,2257
3,1457	-8,5455	5,6216	-5,2475
3,1561	-8,5728	5,6125	-5,2693
3,1665	-8,6001	5,6032	-5,2911
3,1769	-8,6273	5,5937	-5,3128
3,1873	-8,6543	5,5841	-5,3345
3,1977	-8,6813	5,5744	-5,3561
3,2081	-8,7082	5,5645	-5,3777
3,2185	-8,735	5,5544	-5,3993
3,2289	-8,7617	5,5442	-5,4208
3,2393	-8,7883	5,5338	-5,4422
3,2497	-8,8149	5,5233	-5,4637
3,2601	-8,8413	5,5126	-5,485
3,2705	-8,8676	5,5018	-5,5063
3,2809	-8,8938	5,4908	-5,5276
3,2913	-8,9199	5,4797	-5,5489
3,3017	-8,946	5,4684	-5,57
3,3121	-8,9719	5,457	-5,5912
3,3225	-8,9977	5,4454	-5,6123

3,3329	-9,0237	5,4337	-5,6333
3,3433	-9,05	5,4218	-5,6543
3,3536	-9,0761	5,4098	-5,6752
3,364	-9,1022	5,3976	-5,6961
3,3744	-9,1282	5,3853	-5,717
3,3848	-9,154	5,3728	-5,7378
3,3952	-9,1798	5,3602	-5,7585
3,4056	-9,2054	5,3474	-5,7792
3,4159	-9,231	5,3345	-5,7998
3,4263	-9,2565	5,3214	-5,8205
3,4367	-9,2819	5,3081	-5,841
3,4471	-9,3072	5,2948	-5,8615
3,4575	-9,3324	5,2812	-5,882
3,4679	-9,3575	5,2675	-5,9024
3,4783	-9,3825	5,2537	-5,9228
3,4887	-9,4074	5,2397	-5,9431
3,4991	-9,4321	5,2256	-5,9633
3,5095	-9,4568	5,2114	-5,9835
3,5199	-9,4814	5,197	-6,0036
3,5303	-9,5059	5,1824	-6,0237
3,5406	-9,5303	5,1677	-6,0438
3,551	-9,5545	5,1529	-6,0637
3,5614	-9,5787	5,1379	-6,0836
3,5718	-9,6028	5,1227	-6,1035
3,5822	-9,6267	5,1075	-6,1233
3,5926	-9,6506	5,0921	-6,143
3,603	-9,6757	5,0765	-6,1627
3,6134	-9,7014	5,0608	-6,1824
3,6237	-9,727	5,045	-6,2019
3,6341	-9,7525	5,029	-6,2214
3,6445	-9,7779	5,0129	-6,2409
3,6549	-9,8032	4,9966	-6,2603
3,6653	-9,8284	4,9802	-6,2796
3,6756	-9,8535	4,9637	-6,2988
3,686	-9,8785	4,947	-6,318
3,6964	-9,9034	4,9302	-6,3372
3,7068	-9,9282	4,9132	-6,3562
3,7171	-9,9528	4,8961	-6,3752
3,7275	-9,9774	4,8789	-6,3942
3,7379	-10,002	4,8616	-6,4131
3,7482	-10,026	4,8441	-6,4319
3,7586	-10,051	4,8264	-6,4506
3,769	-10,075	4,8087	-6,4693
3,7793	-10,099	4,7907	-6,488
3,7897	-10,123	4,7727	-6,5066
3,8001	-10,147	4,7545	-6,5251
3,8105	-10,17	4,7361	-6,5435
3,8209	-10,194	4,7177	-6,5619
3,8313	-10,218	4,6991	-6,5802
3,8416	-10,241	4,6803	-6,5985
3,852	-10,264	4,6614	-6,6167
3,8624	-10,288	4,6424	-6,6348
3,8728	-10,311	4,6233	-6,6528
3,8831	-10,334	4,6041	-6,6708
3,8935	-10,357	4,5847	-6,6887
3,9039	-10,38	4,5651	-6,7066
3,9143	-10,404	4,5455	-6,7244
3,9246	-10,428	4,5257	-6,7421
3,935	-10,451	4,5058	-6,7597
3,9454	-10,474	4,4857	-6,7772
3,9558	-10,498	4,4655	-6,7947
3,9661	-10,521	4,4452	-6,8122
3,9765	-10,544	4,4248	-6,8295
3,9869	-10,567	4,4042	-6,8468
3,9973	-10,59	4,3836	-6,864
4,	-10,596	4,378	-6,8685
4,0104	-10,62	4,3561	-6,8867
4,0207	-10,643	4,334	-6,9048
4,0311	-10,667	4,3119	-6,9229
4,0415	-10,69	4,2896	-6,9409
4,0518	-10,714	4,2671	-6,9588
4,0622	-10,737	4,2446	-6,9766
4,0726	-10,76	4,2219	-6,9943
4,0829	-10,783	4,1991	-7,012
4,0933	-10,806	4,1767	-7,0296
4,1036	-10,828	4,1557	-7,0471
4,1139	-10,851	4,135	-7,0643
4,1242	-10,874	4,1139	-7,0816
4,1346	-10,898	4,0926	-7,0989
4,1447	-10,921	4,0716	-7,1158
4,1551	-10,945	4,0502	-7,1329
4,1654	-10,968	4,0286	-7,1499
4,1758	-10,992	4,0069	-7,1669
4,186	-11,015	3,9853	-7,1836
4,1962	-11,038	3,9638	-7,2001
4,2065	-11,061	3,9419	-7,2168
4,2168	-11,084	3,9197	-7,2334

	-11,106	3,8975	-7,25
4,2375	-11,129	3,8752	-7,2665
4,2479	-11,152	3,8528	-7,2828
4,2582	-11,174	3,8302	-7,2991
4,2681	-11,196	3,8085	-7,3147
4,2785	-11,218	3,7857	-7,3309
4,2888	-11,24	3,7629	-7,3469
4,2991	-11,262	3,7399	-7,3629
4,3094	-11,284	3,717	-7,3788
4,3198	-11,306	3,6937	-7,3946
4,3301	-11,327	3,6704	-7,4104
4,3405	-11,349	3,647	-7,426
4,3508	-11,37	3,6235	-7,4416
4,3612	-11,392	3,5999	-7,4572
4,3715	-11,413	3,5762	-7,4726
4,3819	-11,434	3,5523	-7,4879
4,3922	-11,455	3,5284	-7,5032
4,4026	-11,476	3,5044	-7,5183
4,4129	-11,496	3,4802	-7,5334
4,4233	-11,518	3,4561	-7,5484
4,4336	-11,541	3,4317	-7,5633
4,444	-11,563	3,4073	-7,5781
4,4543	-11,585	3,3828	-7,5929
4,4647	-11,608	3,3582	-7,6075
4,475	-11,63	3,3335	-7,6221
4,4853	-11,651	3,3087	-7,6365
4,4957	-11,673	3,2837	-7,6509
4,506	-11,695	3,2587	-7,6652
4,5164	-11,716	3,2336	-7,6794
4,5267	-11,738	3,2085	-7,6935
4,537	-11,759	3,1832	-7,7075
4,5474	-11,78	3,1578	-7,7214
4,5577	-11,802	3,1323	-7,7353
4,568	-11,822	3,1068	-7,749
4,5784	-11,843	3,0811	-7,7627
4,5887	-11,864	3,0553	-7,7763
4,5991	-11,885	3,0294	-7,7898
4,6095	-11,905	3,0034	-7,8032
4,6198	-11,926	2,9773	-7,8165
4,6302	-11,946	2,9511	-7,8298
4,6405	-11,966	2,9248	-7,8429
4,6509	-11,986	2,8985	-7,8559
4,6613	-12,006	2,872	-7,8689
4,6716	-12,026	2,8455	-7,8817
4,682	-12,045	2,8189	-7,8945
4,6923	-12,065	2,7922	-7,9071
4,7027	-12,084	2,7654	-7,9197
4,713	-12,104	2,7385	-7,9322
4,7234	-12,123	2,7116	-7,9446
4,7337	-12,142	2,6846	-7,9568
4,744	-12,16	2,6575	-7,969
4,7544	-12,179	2,6303	-7,9811
4,7647	-12,198	2,603	-7,9931
4,7751	-12,216	2,5756	-8,005
4,7854	-12,235	2,5482	-8,0168
4,7958	-12,253	2,5206	-8,0285
4,8061	-12,271	2,493	-8,0401
4,8165	-12,289	2,4653	-8,0516
4,8268	-12,307	2,4375	-8,063
4,8372	-12,325	2,4096	-8,0743
4,8475	-12,342	2,3817	-8,0855
4,8579	-12,359	2,3537	-8,0966
4,8682	-12,377	2,3256	-8,1076
4,8785	-12,394	2,2974	-8,1186
4,8889	-12,412	2,2692	-8,1294
4,8992	-12,433	2,2409	-8,1401
4,9096	-12,453	2,2125	-8,1507
4,9199	-12,474	2,184	-8,1612
4,9302	-12,494	2,1555	-8,1716
4,9406	-12,514	2,1268	-8,182
4,9509	-12,535	2,0981	-8,1922
4,9612	-12,555	2,0694	-8,2023
4,9716	-12,574	2,0405	-8,2123
4,9819	-12,594	2,0116	-8,2222
4,9923	-12,614	1,9825	-8,232
5,	-12,628	1,9608	-8,2393
5,0104	-12,649	1,9309	-8,2497
5,0207	-12,669	1,901	-8,2599
5,031	-12,688	1,871	-8,2701
5,0414	-12,708	1,8409	-8,2801
5,0517	-12,728	1,8108	-8,2901
5,0621	-12,747	1,7806	-8,2999
5,0724	-12,767	1,7503	-8,3096
5,0828	-12,786	1,72	-8,3193
5,0931	-12,805	1,6896	-8,3288
5,1034	-12,824	1,6591	-8,3382
5,1138	-12,843	1,6286	-8,3476

	-12,861	1,598	-8,3568
5,1344	-12,88	1,5673	-8,3659
5,1448	-12,898	1,5366	-8,3749
5,1551	-12,917	1,5058	-8,3838
5,1655	-12,935	1,475	-8,3926
5,1758	-12,953	1,4441	-8,4013
5,1861	-12,971	1,4131	-8,4099
5,1965	-12,989	1,3821	-8,4183
5,2068	-13,006	1,351	-8,4267
5,2171	-13,024	1,3199	-8,435
5,2275	-13,041	1,2887	-8,4431
5,2378	-13,058	1,2574	-8,4512
5,2481	-13,076	1,2261	-8,4591
5,2584	-13,092	1,1947	-8,467
5,2688	-13,109	1,1633	-8,4747
5,2791	-13,126	1,1318	-8,4823
5,2894	-13,143	1,1003	-8,4898
5,2997	-13,159	1,0687	-8,4972
5,3101	-13,175	1,0371	-8,5045
5,3204	-13,191	1,0053	-8,5117
5,3308	-13,207	0,97344	-8,5188
5,3411	-13,223	0,94152	-8,5258
5,3515	-13,239	0,9095	-8,5327
5,3618	-13,255	0,87755	-8,5395
5,3722	-13,27	0,8455	-8,5462
5,3825	-13,286	0,81334	-8,5527
5,3929	-13,301	0,78115	-8,5592
5,4033	-13,316	0,74895	-8,5655
5,4136	-13,331	0,71673	-8,5718
5,4239	-13,346	0,68445	-8,5779
5,4343	-13,36	0,65206	-8,5839
5,4447	-13,375	0,61965	-8,5898
5,455	-13,389	0,58723	-8,5956
5,4653	-13,403	0,55478	-8,6012
5,4757	-13,418	0,52227	-8,6068
5,486	-13,433	0,48968	-8,6122
5,4964	-13,45	0,45708	-8,6176
5,5067	-13,468	0,42445	-8,6228
5,517	-13,486	0,39178	-8,6279
5,5274	-13,503	0,35906	-8,6329
5,5377	-13,521	0,32631	-8,6378
5,548	-13,538	0,29354	-8,6426
5,5583	-13,555	0,26071	-8,6473
5,5687	-13,572	0,22786	-8,6518
5,579	-13,589	0,19496	-8,6562
5,5893	-13,606	0,16204	-8,6606
5,5996	-13,622	0,12909	-8,6648
5,6099	-13,639	9,6095e-002	-8,6689
5,6203	-13,655	6,3058e-002	-8,6729
5,6306	-13,671	2,9979e-002	-8,6768
5,6409	-13,687	-3,1256e-003	-8,6805
5,6512	-13,703	-3,6252e-002	-8,6842
5,6615	-13,719	-6,9433e-002	-8,6877
5,6718	-13,734	-0,10265	-8,6911
5,6822	-13,75	-0,13589	-8,6945
5,6925	-13,765	-0,16917	-8,6977
5,7028	-13,78	-0,20246	-8,7007
5,7131	-13,795	-0,2358	-8,7037
5,7234	-13,81	-0,26918	-8,7066
5,7337	-13,825	-0,30264	-8,7093
5,7441	-13,839	-0,33613	-8,712
5,7544	-13,854	-0,36966	-8,7145
5,7647	-13,868	-0,40322	-8,7169
5,7751	-13,882	-0,43684	-8,7192
5,7854	-13,897	-0,47049	-8,7214
5,7957	-13,91	-0,5041	-8,7234
5,8061	-13,924	-0,53777	-8,7254
5,8164	-13,938	-0,57152	-8,7272
5,8268	-13,951	-0,60525	-8,729
5,8371	-13,965	-0,63899	-8,7306
5,8474	-13,978	-0,67275	-8,7321
5,8577	-13,991	-0,70655	-8,7334
5,8681	-14,004	-0,74037	-8,7347
5,8784	-14,017	-0,77421	-8,7358
5,8887	-14,029	-0,80805	-8,7369
5,899	-14,042	-0,84186	-8,7378
5,9093	-14,054	-0,87569	-8,7386
5,9197	-14,066	-0,90958	-8,7393
5,93	-14,078	-0,94346	-8,7398
5,9401	-14,09	-0,97679	-8,7403
5,9504	-14,102	-1,0107	-8,7406
5,9607	-14,113	-1,0447	-8,7409
5,9711	-14,125	-1,0787	-8,741
5,9814	-14,136	-1,1127	-8,741
5,9917	-14,147	-1,1467	-8,7408
6,	-14,156	-1,1741	-8,7407
6,0103	-14,168	-1,2087	-8,7408

6,0207	-14,179	-1,2433	-8,7409
6,031	-14,19	-1,278	-8,7408
6,0414	-14,201	-1,3127	-8,7406
6,0517	-14,212	-1,3473	-8,7404
6,062	-14,223	-1,382	-8,7399
6,0724	-14,233	-1,4167	-8,7394
6,0827	-14,244	-1,4514	-8,7388
6,093	-14,259	-1,4861	-8,738
6,1034	-14,273	-1,5208	-8,7371
6,1137	-14,288	-1,5556	-8,7361
6,124	-14,302	-1,5903	-8,735
6,1344	-14,316	-1,625	-8,7338
6,1447	-14,33	-1,6598	-8,7325
6,155	-14,344	-1,6945	-8,731
6,1653	-14,357	-1,7293	-8,7294
6,1757	-14,371	-1,764	-8,7277
6,186	-14,384	-1,7988	-8,7259
6,1963	-14,397	-1,8336	-8,724
6,2067	-14,41	-1,8683	-8,722
6,217	-14,423	-1,903	-8,7198
6,2273	-14,436	-1,9062	-8,7175
6,2376	-14,448	-1,8749	-8,7151
6,248	-14,461	-1,8435	-8,7126
6,2583	-14,473	-1,812	-8,71
6,2686	-14,485	-1,7804	-8,7072
6,2789	-14,497	-1,7487	-8,7044
6,2892	-14,509	-1,7169	-8,7014
6,2996	-14,521	-1,6849	-8,6983
6,3099	-14,532	-1,6529	-8,6951
6,3202	-14,544	-1,6208	-8,6917
6,3305	-14,555	-1,5885	-8,6883
6,3409	-14,566	-1,5562	-8,6847
6,3512	-14,577	-1,5238	-8,681
6,3615	-14,588	-1,4913	-8,6772
6,3719	-14,598	-1,4587	-8,6733
6,3822	-14,609	-1,426	-8,6692
6,3925	-14,619	-1,3933	-8,6651
6,4028	-14,63	-1,3604	-8,6608
6,4132	-14,64	-1,3274	-8,6564
6,4235	-14,65	-1,2944	-8,6519
6,4338	-14,659	-1,2612	-8,6473
6,4441	-14,669	-1,228	-8,6425
6,4545	-14,678	-1,1946	-8,6377
6,4648	-14,688	-1,1612	-8,6327
6,4751	-14,697	-1,1277	-8,6276
6,4854	-14,706	-1,0941	-8,6224
6,4957	-14,715	-1,0604	-8,6171
6,5061	-14,723	-1,0267	-8,6116
6,5164	-14,732	-0,99282	-8,6061
6,5267	-14,74	-0,95887	-8,6004
6,537	-14,749	-0,92486	-8,5946
6,5473	-14,757	-0,89076	-8,5887
6,5576	-14,765	-0,85655	-8,5827
6,568	-14,772	-0,82229	-8,5765
6,5783	-14,78	-0,78794	-8,5703
6,5886	-14,788	-0,75349	-8,5639
6,5989	-14,795	-0,71897	-8,5574
6,6092	-14,802	-0,68438	-8,5508
6,6195	-14,809	-0,6497	-8,5441
6,6298	-14,816	-0,61499	-8,5372
6,6401	-14,823	-0,58019	-8,5303
6,6504	-14,829	-0,54531	-8,5232
6,6607	-14,836	-0,51035	-8,516
6,671	-14,842	-0,47532	-8,5087
6,6813	-14,849	-0,44022	-8,5013
6,6916	-14,86	-0,40504	-8,4938
6,7019	-14,87	-0,36977	-8,4862
6,7121	-14,88	-0,33445	-8,4784
6,7224	-14,89	-0,29905	-8,4706
6,7327	-14,9	-0,26357	-8,4626
6,743	-14,91	-0,22803	-8,4545
6,7533	-14,919	-0,19241	-8,4463
6,7636	-14,929	-0,15672	-8,4379
6,7738	-14,938	-0,12096	-8,4295
6,7841	-14,947	-8,5131e-002	-8,421
6,7944	-14,956	-4,9195e-002	-8,4123
6,8047	-14,965	-1,3071e-002	-8,4035
6,815	-14,974	2,3143e-002	-8,3945
6,8253	-14,982	5,9236e-002	-8,3855
6,8356	-14,991	9,5484e-002	-8,3764
6,8459	-14,999	0,13186	-8,3671
6,8562	-15,007	0,16819	-8,3578
6,8664	-15,015	0,20455	-8,3483
6,8768	-15,022	0,24138	-8,3386
6,8872	-15,03	0,27818	-8,3289
6,8975	-15,038	0,31512	-8,319
6,9079	-15,045	0,35202	-8,309



	-15,052	0,3892	-8,2988
6,9286	-15,059	0,42634	-8,2886
6,939	-15,066	0,46353	-8,2782
6,9493	-15,073	0,50083	-8,2678
6,9597	-15,079	0,53821	-8,2572
6,9701	-15,086	0,57567	-8,2464
6,9805	-15,092	0,61322	-8,2356
6,9908	-15,098	0,65078	-8,2247
7,	-15,103	0,6841	-8,2149
7,0104	-15,11	0,72142	-8,2041
7,0207	-15,116	0,75879	-8,1932
7,0311	-15,121	0,79622	-8,1822
7,0415	-15,127	0,8337	-8,1711
7,0518	-15,133	0,87124	-8,1598
7,0622	-15,138	0,90886	-8,1485
7,0726	-15,143	0,94652	-8,137
7,0829	-15,148	0,98424	-8,1255
7,0933	-15,153	1,022	-8,1138
7,1036	-15,158	1,0598	-8,102
7,114	-15,163	1,0977	-8,0901
7,1244	-15,167	1,1357	-8,0781
7,1347	-15,171	1,1737	-8,0659
7,1451	-15,176	1,2117	-8,0537
7,1554	-15,18	1,2498	-8,0414
7,1658	-15,183	1,288	-8,0289
7,1761	-15,187	1,3262	-8,0163
7,1865	-15,193	1,3644	-8,0036
7,1968	-15,199	1,4027	-7,9908
7,2072	-15,206	1,4411	-7,9779
7,2175	-15,212	1,4795	-7,9649
7,2278	-15,218	1,518	-7,9518
7,2382	-15,224	1,5565	-7,9385
7,2485	-15,23	1,595	-7,9252
7,2589	-15,235	1,6336	-7,9117
7,2692	-15,24	1,6723	-7,8981
7,2795	-15,246	1,711	-7,8845
7,2899	-15,251	1,7497	-7,8707
7,3002	-15,256	1,7885	-7,8568
7,3106	-15,26	1,8274	-7,8428
7,3209	-15,265	1,8663	-7,8287
7,3312	-15,269	1,9052	-7,8144
7,3416	-15,274	1,9442	-7,8001
7,3519	-15,278	1,9832	-7,7856
7,3623	-15,282	2,0224	-7,771
7,3727	-15,286	2,0618	-7,7563
7,383	-15,289	2,1011	-7,7415
7,3934	-15,293	2,1404	-7,7265
7,4038	-15,296	2,18	-7,7114
7,4142	-15,299	2,2194	-7,6962
7,4246	-15,302	2,259	-7,6809
7,435	-15,305	2,2987	-7,6655
7,4454	-15,308	2,3382	-7,65
7,4558	-15,31	2,3778	-7,6344
7,4661	-15,313	2,4175	-7,6187
7,4765	-15,315	2,4572	-7,6029
7,4869	-15,319	2,4969	-7,587
7,4972	-15,322	2,5367	-7,571
7,5076	-15,325	2,5765	-7,5548
7,518	-15,328	2,6164	-7,5386
7,5284	-15,331	2,6562	-7,5222
7,5387	-15,334	2,6962	-7,5058
7,5491	-15,337	2,7361	-7,4892
7,5595	-15,339	2,7761	-7,4725
7,5699	-15,341	2,8161	-7,4558
7,5802	-15,344	2,8562	-7,4389
7,5906	-15,346	2,8963	-7,4219
7,601	-15,347	2,9364	-7,4048
7,6113	-15,349	2,9765	-7,3876
7,6217	-15,351	3,0167	-7,3703
7,6321	-15,352	3,0569	-7,3529
7,6424	-15,353	3,0971	-7,3354
7,6528	-15,355	3,1374	-7,3178
7,6632	-15,357	3,1777	-7,3001
7,6735	-15,358	3,218	-7,2823
7,6839	-15,36	3,2583	-7,2643
7,6942	-15,362	3,2986	-7,2463
7,7046	-15,363	3,339	-7,2282
7,7149	-15,364	3,3794	-7,21
7,7253	-15,365	3,4198	-7,1917
7,7356	-15,366	3,4601	-7,1733
7,746	-15,367	3,5006	-7,1548
7,7563		3,541	-7,1362
7,7667	-15,368	3,5815	-7,1175
7,777		3,622	-7,0987
7,7873	-15,369	3,6625	-7,0798
7,7977		3,703	-7,0608
7,808	-15,368	3,7435	-7,0417

7,8184		3,7841	-7,0225
7,8287		3,8247	-7,0032
7,839	-15,367	3,8653	-6,9838
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7,8597	-15,366	3,9465	-6,9447
7,8701	-15,367	3,9872	-6,925
7,8804		4,028	-6,9052
7,8908	-15,368	4,0689	-6,8851
7,9012		4,1098	-6,8651
7,9115		4,1505	-6,845
7,9215	-15,369	4,19	-6,8254
7,9316		4,2297	-6,8056
7,9418		4,2699	-6,7855
7,952		4,3101	-6,7654
7,9621	-15,368	4,3501	-6,7452
7,9723	-15,367	4,3903	-6,7248
7,9825	-15,366	4,4305	-6,7044
7,9926	-15,365	4,4705	-6,6839
8,	-15,364	4,4997	-6,669
8,0101	-15,363	4,5394	-6,6487
8,0203	-15,362	4,5792	-6,6283
8,0305	-15,361	4,6191	-6,6078
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8,0508	-15,358	4,699	-6,5664
8,061	-15,356	4,7389	-6,5456
8,0712	-15,354	4,7788	-6,5247
8,0813	-15,353	4,8187	-6,5037
8,0915	-15,352	4,8584	-6,4827
8,1017	-15,351	4,8987	-6,4613
8,112	-15,35	4,9389	-6,4399
8,1222	-15,349	4,979	-6,4185
8,1324	-15,348	5,0191	-6,3969
8,1426	-15,346	5,0593	-6,3752
8,1529	-15,344	5,0996	-6,3534
8,1631	-15,342	5,1398	-6,3316
8,1733	-15,34	5,1799	-6,3097
8,1836	-15,338	5,2201	-6,2877
8,1938	-15,336	5,2604	-6,2655
8,2041	-15,333	5,3005	-6,2433
8,2143	-15,331	5,3407	-6,221
8,2245	-15,328	5,381	-6,1986
8,2348	-15,325	5,4212	-6,1762
8,245	-15,322	5,4613	-6,1536
8,2552	-15,319	5,5015	-6,131
8,2654	-15,316	5,5416	-6,1083
8,2757	-15,314	5,5818	-6,0854
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8,3064	-15,306	5,7022	-6,0165
8,3166	-15,303	5,7424	-5,9934
8,3268	-15,3	5,7825	-5,9702
8,337	-15,297	5,8225	-5,9469
8,3473	-15,294	5,8626	-5,9235
8,3575	-15,29	5,9027	-5,9
8,3677	-15,287	5,9427	-5,8765
8,3779	-15,283	5,9828	-5,8528
8,3881	-15,279	6,0228	-5,8291
8,3984	-15,275	6,0628	-5,8053
8,4086	-15,27	6,1028	-5,7815
8,4188	-15,266	6,1428	-5,7575
8,429	-15,261	6,1828	-5,7335
8,4392	-15,257	6,2227	-5,7094
8,4494	-15,252	6,2626	-5,6852
8,4597	-15,247	6,3026	-5,6609
8,4699	-15,241	6,3425	-5,6366
8,4801	-15,236	6,3823	-5,6122
8,4903	-15,23	6,4224	-5,5875
8,5006	-15,225	6,4623	-5,5629
8,5108	-15,219	6,5024	-5,5381
8,5211	-15,213	6,5425	-5,5132
8,5314	-15,206	6,5825	-5,4882
8,5417	-15,2	6,6225	-5,4632
8,552	-15,194	6,6625	-5,438
8,5622	-15,189	6,7024	-5,4128
8,5725	-15,185	6,7424	-5,3875
8,5828	-15,182	6,7823	-5,3622
8,5931	-15,178	6,8223	-5,3367
8,6033	-15,174	6,8622	-5,3112
8,6136	-15,17	6,9021	-5,2856
8,6239	-15,165	6,9419	-5,2599
8,6342	-15,161	6,9817	-5,2341
8,6445	-15,156	7,0216	-5,2083
8,6547	-15,151	7,0613	-5,1824
8,665	-15,146	7,1011	-5,1564
8,6753	-15,141	7,1409	-5,1303
8,6856	-15,136	7,1806	-5,1042
8,6959	-15,13	7,2202	-5,078

8,7062	-15,125	7,2599	-5,0517
8,7165	-15,119	7,2996	-5,0253
8,7267	-15,113	7,3392	-4,9988
8,737	-15,107	7,3788	-4,9723
8,7473	-15,101	7,4183	-4,9457
8,7576	-15,094	7,4579	-4,9191
8,7679	-15,088	7,4973	-4,8924
8,7782	-15,081	7,5367	-4,8656
8,7884	-15,074	7,5761	-4,8387
8,7987	-15,067	7,6155	-4,8118
8,809	-15,06	7,6548	-4,7848
8,8193	-15,052	7,6941	-4,7577
8,8296	-15,045	7,7333	-4,7306
8,8398	-15,037	7,7726	-4,7034
8,8501	-15,029	7,8118	-4,6761
8,8604	-15,021	7,8509	-4,6488
8,8707	-15,013	7,8901	-4,6214
8,881	-15,005	7,9291	-4,5939
8,8913	-14,996	7,9682	-4,5663
8,9016	-14,988	8,0072	-4,5387
8,9118	-14,979	8,0462	-4,511
8,9221	-14,97	8,0852	-4,4832
8,9324	-14,961	8,1241	-4,4554
8,9427	-14,951	8,163	-4,4275
8,953	-14,942	8,2018	-4,3995
8,9633	-14,932	8,2406	-4,3715
8,9736	-14,922	8,2794	-4,3434
8,9839	-14,913	8,3181	-4,3152
8,9942	-14,902	8,3568	-4,287
9,	-14,897	8,3785	-4,2711
9,0103	-14,887	8,4169	-4,243
9,0206	-14,876	8,4553	-4,2148
9,0309	-14,866	8,4936	-4,1865
9,0412	-14,855	8,5316	-4,1584
9,0515	-14,845	8,5699	-4,13
9,0618	-14,834	8,6082	-4,1015
9,0722	-14,822	8,6463	-4,073
9,0825	-14,811	8,6845	-4,0444
9,0928	-14,8	8,7226	-4,0157
9,1031	-14,788	8,7606	-3,987
9,1135	-14,777	8,7986	-3,9583
9,1238	-14,765	8,8365	-3,9294
9,1341	-14,753	8,8743	-3,9006
9,1444	-14,74	8,9122	-3,8716
9,1548	-14,728	8,9499	-3,8426
9,1651	-14,716	8,9877	-3,8136
9,1754	-14,703	9,0254	-3,7844
9,1858	-14,69	9,063	-3,7552
9,1961	-14,677	9,1006	-3,726
9,2064	-14,664	9,1381	-3,6967
9,2168	-14,651	9,1756	-3,6673
9,2271	-14,637	9,2131	-3,6378
9,2375	-14,623	9,2504	-3,6084
9,2478	-14,61	9,2878	-3,5788
9,2581	-14,596	9,325	-3,5492
9,2685	-14,582	9,3622	-3,5196
9,2788	-14,567	9,3994	-3,4899
9,2892	-14,553	9,4365	-3,4601
9,2995	-14,538	9,4735	-3,4303
9,3093	-14,524	9,5084	-3,4021
9,3196	-14,51	9,5452	-3,3723
9,3299	-14,495	9,582	-3,3424
9,3403	-14,479	9,6188	-3,3124
9,3506	-14,464	9,6555	-3,2823
9,361	-14,448	9,6923	-3,2521
9,3713	-14,438	9,7289	-3,2219
9,3817	-14,431	9,7655	-3,1917
9,392	-14,424	9,8019	-3,1615
9,4024	-14,417	9,8383	-3,1312
9,4127	-14,41	9,8746	-3,1008
9,4231	-14,403	9,9109	-3,0704
9,4334	-14,396	9,9472	-3,0399
9,4438	-14,388	9,9834	-3,0094
9,4541	-14,38	10,019	-2,9788
9,4645	-14,372	10,055	-2,9482
9,4748	-14,364	10,091	-2,9176
9,4852	-14,356	10,127	-2,8869
9,4955	-14,348	10,163	-2,8562
9,5059	-14,339	10,199	-2,8254
9,5163	-14,33	10,234	-2,7945
9,5266	-14,322	10,27	-2,7637
9,537	-14,313	10,306	-2,7328
9,5473	-14,303	10,341	-2,7019
9,5576	-14,294	10,376	-2,671
9,568	-14,284	10,412	-2,64
9,5783	-14,275	10,447	-2,609
9,5886	-14,265	10,482	-2,5779

	-14,255	10,517	-2,5468
9,6093	-14,245	10,552	-2,5157
9,6196	-14,235	10,587	-2,4845
9,63	-14,224	10,621	-2,4533
9,6403	-14,213	10,656	-2,422
9,6507	-14,203	10,691	-2,3907
9,661	-14,192	10,725	-2,3594
9,6714	-14,181	10,76	-2,328
9,6817	-14,169	10,794	-2,2966
9,692	-14,158	10,828	-2,2651
9,7024	-14,146	10,863	-2,2336
9,7127	-14,134	10,897	-2,2021
9,7231	-14,122	10,931	-2,1706
9,7334	-14,11	10,965	-2,139
9,7438	-14,098	10,999	-2,1073
9,7541	-14,086	11,033	-2,0757
9,7645	-14,073	11,066	-2,044
9,7748	-14,06	11,1	-2,0123
9,7851	-14,048	11,134	-1,9805
9,7955	-14,034	11,167	-1,9487
9,8058	-14,021	11,201	-1,9169
9,8162	-14,008	11,234	-1,8851
9,8265	-13,994	11,267	-1,8532
9,8369	-13,981	11,3	-1,8213
9,8472	-13,967	11,333	-1,7893
9,8576	-13,953	11,366	-1,7573
9,8679	-13,939	11,399	-1,7253
9,8783	-13,924	11,432	-1,6933
9,8886	-13,91	11,465	-1,6612
9,899	-13,895	11,498	-1,6292
9,9093	-13,88	11,53	-1,597
9,9197	-13,865	11,563	-1,5649
9,93	-13,85	11,595	-1,5328
9,9404	-13,835	11,627	-1,5006
9,9507	-13,82	11,659	-1,4685
9,9611	-13,804	11,691	-1,4363
9,9714	-13,788	11,723	-1,404
9,9817	-13,772	11,755	-1,3718
9,9921	-13,756	11,787	-1,3395
10,	-13,744	11,811	-1,3148
10,01	-13,728	11,843	-1,2827
10,021	-13,712	11,874	-1,2506
10,031	-13,695	11,905	-1,2185
10,041	-13,679	11,936	-1,1863
10,052	-13,662	11,967	-1,1542
10,062	-13,645	11,998	-1,122
10,072	-13,628	12,029	-1,0898
10,083	-13,611	12,06	-1,0576
10,093	-13,594	12,09	-1,0254
10,103	-13,576	12,121	-0,99312
10,114	-13,559	12,151	-0,96086
10,124	-13,541	12,181	-0,92869
10,134	-13,523	12,212	-0,89639
10,145	-13,505	12,242	-0,86414
10,155	-13,487	12,271	-0,83192
10,165	-13,468	12,301	-0,79961
10,176	-13,45	12,331	-0,7673
10,186	-13,431	12,361	-0,73499
10,196	-13,412	12,39	-0,70265
10,207	-13,393	12,42	-0,6703
10,217	-13,374	12,449	-0,63795
10,227	-13,355	12,478	-0,60558
10,238	-13,336	12,507	-0,57319
10,248	-13,316	12,536	-0,54079
10,258	-13,296	12,565	-0,50837
10,269	-13,276	12,594	-0,47594
10,279	-13,256	12,623	-0,44349
10,289	-13,236	12,652	-0,41105
10,3	-13,216	12,68	-0,3786
10,31	-13,195	12,709	-0,34611
10,32	-13,175	12,737	-0,31364
10,331	-13,154	12,765	-0,28116
10,341	-13,133	12,793	-0,24864
10,351	-13,112	12,821	-0,21613
10,362	-13,091	12,849	-0,18363
10,372	-13,069	12,877	-0,1511
10,382	-13,048	12,905	-0,11857
10,393	-13,026	12,932	-8,6032e-002
10,403	-13,004	12,96	-5,3493e-002
10,413	-12,983	12,987	-2,0942e-002
10,424	-12,96	13,014	1,1614e-002
10,434	-12,938	13,041	4,4168e-002
10,444	-12,916	13,068	7,673e-002
10,455	-12,893	13,095	0,1093
10,465	-12,871	13,122	0,14186
10,475	-12,848	13,149	0,17443
10,486	-12,825	13,175	0,207

	-12,802	13,202	0,2395
10,506	-12,778	13,228	0,27199
10,517	-12,755	13,254	0,3045
10,527	-12,732	13,28	0,33705
10,537	-12,708	13,306	0,36954
10,548	-12,684	13,332	0,40203
10,558	-12,66	13,358	0,43454
10,568	-12,643	13,383	0,46703
10,579	-12,627	13,409	0,49951
10,589	-12,611	13,434	0,53203
10,599	-12,595	13,459	0,56453
10,61	-12,579	13,484	0,59702
10,62	-12,562	13,509	0,62952
10,63	-12,546	13,534	0,6619
10,641	-12,529	13,559	0,69377
10,651	-12,513	13,583	0,72593
10,661	-12,496	13,607	0,75813
10,671	-12,479	13,632	0,79022
10,682	-12,462	13,656	0,82247
10,692	-12,444	13,68	0,85467
10,702	-12,427	13,704	0,8867
10,712	-12,41	13,727	0,91856
10,722	-12,392	13,751	0,9506
10,733	-12,374	13,774	0,98271
10,743	-12,356	13,797	1,0147
10,753	-12,338	13,821	1,0466
10,763	-12,32	13,844	1,0787
10,773	-12,301	13,867	1,1107
10,784	-12,283	13,89	1,1427
10,794	-12,264	13,912	1,1746
10,804	-12,245	13,935	1,2066
10,814	-12,226	13,957	1,2386
10,825	-12,207	13,98	1,2705
10,835	-12,187	14,002	1,3024
10,845	-12,168	14,024	1,3343
10,855	-12,148	14,046	1,3662
10,866	-12,128	14,068	1,3981
10,876	-12,108	14,09	1,4299
10,886	-12,088	14,111	1,4618
10,896	-12,068	14,133	1,4937
10,906	-12,048	14,154	1,5254
10,917	-12,027	14,176	1,5572
10,927	-12,006	14,197	1,589
10,937	-11,986	14,218	1,6208
10,947	-11,965	14,239	1,6525
10,958	-11,943	14,259	1,6842
10,968	-11,922	14,28	1,7159
10,978	-11,901	14,3	1,7476
10,988	-11,879	14,321	1,7792
10,999	-11,858	14,341	1,8109
11,	-11,854	14,344	1,8153
11,01	-11,833	14,364	1,8466
11,02	-11,812	14,383	1,8769
11,03	-11,79	14,402	1,9079
11,04	-11,768	14,421	1,9385
11,05	-11,747	14,44	1,9692
11,06	-11,725	14,459	1,9998
11,07	-11,703	14,478	2,0306
11,08	-11,68	14,497	2,0613
11,091	-11,658	14,516	2,0923
11,101	-11,635	14,534	2,1231
11,111	-11,612	14,553	2,1538
11,121	-11,59	14,571	2,1845
11,131	-11,567	14,589	2,215
11,141	-11,543	14,607	2,2457
11,151	-11,52	14,625	2,2764
11,161	-11,497	14,643	2,3071
11,171	-11,473	14,66	2,3377
11,181	-11,449	14,678	2,3682
11,192	-11,425	14,695	2,3987
11,202	-11,401	14,712	2,4292
11,212	-11,377	14,729	2,4596
11,222	-11,353	14,746	2,4901
11,232	-11,329	14,763	2,5206
11,242	-11,304	14,78	2,5509
11,252	-11,279	14,797	2,5812
11,262	-11,255	14,813	2,6114
11,272	-11,23	14,829	2,6417
11,282	-11,205	14,846	2,672
11,293	-11,18	14,862	2,7021
11,303	-11,154	14,878	2,7322
11,313	-11,129	14,893	2,7623
11,323	-11,103	14,909	2,7924
11,333	-11,078	14,925	2,8224
11,343	-11,052	14,94	2,8524
11,353	-11,026	14,955	2,8824
11,363	-11,	14,97	2,9123

	-10,974	14,985	2,9419
11,383	-10,948	15,	2,9717
11,393	-10,921	15,015	3,0015
11,403	-10,895	15,029	3,0312
11,414	-10,868	15,044	3,061
11,424	-10,841	15,058	3,0907
11,434	-10,814	15,073	3,1203
11,444	-10,787	15,087	3,1499
11,454	-10,76	15,101	3,1794
11,464	-10,733	15,114	3,2089
11,474	-10,705	15,128	3,2384
11,484	-10,678	15,142	3,2679
11,494	-10,65	15,155	3,2972
11,504	-10,622	15,168	3,3266
11,514	-10,594	15,181	3,3559
11,524	-10,566	15,194	3,3851
11,535	-10,538	15,207	3,4143
11,545	-10,51	15,22	3,4435
11,555	-10,481	15,233	3,4727
11,565	-10,453	15,245	3,5017
11,575	-10,424	15,257	3,5308
11,585	-10,395	15,269	3,5598
11,595	-10,366	15,282	3,5887
11,605	-10,337	15,293	3,6176
11,615	-10,308	15,305	3,6465
11,625	-10,279	15,317	3,6753
11,636	-10,249	15,328	3,704
11,646	-10,22	15,34	3,7327
11,656	-10,19	15,351	3,7614
11,666	-10,16	15,362	3,79
11,676	-10,131	15,373	3,8185
11,686	-10,101	15,384	3,847
11,696	-10,071	15,395	3,8755
11,706	-10,04	15,405	3,9039
11,716	-10,01	15,416	3,9323
11,726	-9,9796	15,426	3,9606
11,736	-9,949	15,436	3,9888
11,746	-9,9184	15,446	4,017
11,757	-9,8886	15,456	4,0451
11,767	-9,8648	15,465	4,0732
11,777	-9,8409	15,475	4,1013
11,787	-9,8169	15,485	4,1292
11,797	-9,7928	15,494	4,1571
11,807	-9,7685	15,503	4,185
11,817	-9,7441	15,512	4,2128
11,827	-9,7196	15,521	4,2405
11,837	-9,6949	15,53	4,2682
11,847	-9,6701	15,538	4,2959
11,857	-9,6452	15,547	4,3235
11,868	-9,6201	15,555	4,351
11,878	-9,5949	15,563	4,3785
11,888	-9,5696	15,571	4,4059
11,898	-9,5441	15,579	4,4332
11,908	-9,5185	15,587	4,4605
11,918	-9,4927	15,595	4,4878
11,928	-9,4669	15,602	4,515
11,938	-9,4409	15,609	4,5421
11,948	-9,4148	15,617	4,5691
11,958	-9,3885	15,624	4,5961
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11,978	-9,3356	15,637	4,65
11,989	-9,309	15,644	4,6768
11,999	-9,2822	15,651	4,7036
12,	-9,2786	15,652	4,7071
12,01	-9,2762	15,654	4,7096
12,02	-9,2737	15,656	4,7121
12,03	-9,2712	15,659	4,7146
12,04	-9,2687	15,661	4,717
12,05	-9,2663	15,664	4,7195
12,061	-9,2638	15,666	4,722
12,071	-9,2613	15,669	4,7244
12,081	-9,2589	15,671	4,7269
12,091	-9,2564	15,674	4,7294
12,101	-9,2539	15,676	4,7319
12,111	-9,2514	15,679	4,7343
12,121	-9,249	15,681	4,7368
12,131	-9,2465	15,684	4,7393
12,141	-9,244	15,686	4,7417
12,151	-9,2416	15,689	4,7442
12,161	-9,2391	15,691	4,7467
12,171	-9,2366	15,694	4,7492
12,182	-9,2341	15,696	4,7516
12,192	-9,2317	15,698	4,7541
12,202	-9,2292	15,701	4,7566
12,212	-9,2267	15,703	4,759
12,222	-9,2243	15,706	4,7615
12,232	-9,2218	15,708	4,764

	-9,2193	15,711	4,7665
12,252	-9,2168	15,713	4,7689
12,262	-9,2144	15,716	4,7714
12,272	-9,2119	15,718	4,7739
12,282	-9,2094	15,721	4,7763
12,293	-9,207	15,723	4,7788
12,303	-9,2045	15,726	4,7813
12,313	-9,202	15,728	4,7838
12,323	-9,1995	15,731	4,7862
12,333	-9,1971	15,733	4,7887
12,343	-9,1946	15,736	4,7912
12,353	-9,1921	15,738	4,7936
12,363	-9,1897	15,741	4,7961
12,373	-9,1872	15,743	4,7986
12,383	-9,1847	15,745	4,8011
12,393	-9,1822	15,748	4,8035
12,404	-9,1798	15,75	4,806
12,414	-9,1773	15,753	4,8085
12,424	-9,1748	15,755	4,8109
12,434	-9,1724	15,758	4,8134
12,444	-9,1699	15,76	4,8159
12,454	-9,1674	15,763	4,8184
12,464	-9,1649	15,765	4,8208
12,474	-9,1625	15,768	4,8233
12,484	-9,16	15,77	4,8258
12,494	-9,1575	15,773	4,8282
12,504	-9,1551	15,775	4,8307
12,514	-9,1526	15,778	4,8332
12,525	-9,1501	15,78	4,8357
12,535	-9,1476	15,783	4,8381
12,545	-9,1452	15,785	4,8406
12,555	-9,1427	15,787	4,8431
12,565	-9,1402	15,79	4,8455
12,575	-9,1378	15,792	4,848
12,585	-9,1353	15,795	4,8505
12,595	-9,1328	15,797	4,853
12,605	-9,1303	15,8	4,8554
12,615	-9,1279	15,802	4,8579
12,625	-9,1254	15,805	4,8604
12,636	-9,1229	15,807	4,8628
12,646	-9,1205	15,81	4,8653
12,656	-9,118	15,812	4,8678
12,666	-9,1155	15,815	4,8703
12,676	-9,113	15,817	4,8727
12,686	-9,1106	15,82	4,8752
12,696	-9,1081	15,822	4,8777
12,706	-9,1056	15,825	4,8801
12,716	-9,1032	15,827	4,8826
12,726	-9,1007	15,829	4,8851
12,736	-9,0982	15,832	4,8876
12,747	-9,0957	15,834	4,89
12,757	-9,0933	15,837	4,8925
12,767	-9,0908	15,839	4,895
12,777	-9,0883	15,842	4,8975
12,787	-9,0859	15,844	4,8999
12,797	-9,0834	15,847	4,9024
12,807	-9,0809	15,849	4,9049
12,817	-9,0784	15,852	4,9073
12,827	-9,076	15,854	4,9098
12,837	-9,0735	15,857	4,9123
12,847	-9,071	15,859	4,9148
12,857	-9,0686	15,862	4,9172
12,868	-9,0661	15,864	4,9197
12,878	-9,0636	15,867	4,9222
12,888	-9,0611	15,869	4,9246
12,898	-9,0587	15,872	4,9271
12,908	-9,0562	15,874	4,9296
12,918	-9,0537	15,876	4,9321
12,928	-9,0512	15,879	4,9345
12,938	-9,0488	15,881	4,937
12,948	-9,0463	15,884	4,9395
12,958	-9,0438	15,886	4,9419
12,968	-9,0414	15,889	4,9444
12,979	-9,0389	15,891	4,9469
12,989	-9,0364	15,894	4,9494
12,999	-9,0339	15,896	4,9518
13,	-9,0336	15,897	4,9521
13,01	-9,007	15,903	4,9785
13,02	-8,9803	15,908	5,0048
13,03	-8,9535	15,914	5,0311
13,04	-8,9265	15,92	5,0573
13,05	-8,8994	15,925	5,0834
13,061	-8,8721	15,931	5,1095
13,071	-8,8448	15,936	5,1355
13,081	-8,8173	15,941	5,1614
13,091	-8,7897	15,946	5,1873
13,101	-8,762	15,951	5,2131

	-8,7341	15,955	5,2388
13,121	-8,7061	15,96	5,2645
13,131	-8,678	15,964	5,2901
13,141	-8,6498	15,968	5,3156
13,151	-8,6214	15,973	5,3411
13,161	-8,593	15,976	5,3665
13,171	-8,5644	15,98	5,3918
13,182	-8,5357	15,984	5,4171
13,192	-8,5069	15,987	5,4423
13,202	-8,4779	15,991	5,4674
13,212	-8,4488	15,994	5,4925
13,222	-8,4196	15,997	5,5175
13,232	-8,3903	16,	5,5424
13,242	-8,3609	16,003	5,5673
13,252	-8,3314	16,006	5,5921
13,262	-8,3017	16,008	5,6168
13,272	-8,2719	16,011	5,6414
13,282	-8,242	16,013	5,666
13,293	-8,212	16,015	5,6905
13,303	-8,1819	16,017	5,7149
13,313	-8,1516	16,019	5,7393
13,323	-8,1213	16,02	5,7635
13,333	-8,0908	16,022	5,7877
13,343	-8,0602	16,023	5,8119
13,353	-8,0295	16,025	5,8359
13,363	-7,9987	16,026	5,8599
13,373	-7,9677	16,027	5,8838
13,383	-7,9367	16,028	5,9077
13,393	-7,9055		5,9314
13,404	-7,8743	16,029	5,9551
13,414	-7,8429		5,9787
13,424	-7,8114	16,03	6,0023
13,434	-7,7798		6,0257
13,444	-7,7481		6,0491
13,454	-7,7162	16,029	6,0724
13,464	-7,6843		6,0956
13,474	-7,6523	16,028	6,1188
13,484	-7,6201		6,1419
13,494	-7,5879	16,027	6,1649
13,504	-7,5555		6,1878
13,515	-7,523	16,026	6,2106
13,525	-7,4904	16,025	6,2334
13,535	-7,4578	16,024	6,256
13,545	-7,425	16,022	6,2786
13,555	-7,3921	16,021	6,3012
13,565	-7,3591	16,019	6,3236
13,575	-7,326	16,017	6,3459
13,585	-7,2928	16,015	6,3682
13,595	-7,2594	16,013	6,3904
13,605	-7,226	16,011	6,4125
13,615	-7,1925	16,008	6,4346
13,625	-7,1589	16,006	6,4565
13,636	-7,1252	16,003	6,4784
13,646	-7,0914	16,	6,5002
13,656	-7,0574	15,998	6,5219
13,666	-7,0234	15,994	6,5435
13,676	-6,9893	15,991	6,565
13,686	-6,9551	15,988	6,5865
13,696	-6,9207	15,984	6,6078
13,706	-6,8863	15,981	6,6291
13,716	-6,8518	15,977	6,6503
13,726	-6,8172	15,973	6,6714
13,736	-6,7825	15,969	6,6924
13,747	-6,7477	15,965	6,7134
13,757	-6,7128	15,961	6,7342
13,767	-6,6778	15,956	6,755
13,777	-6,6427	15,951	6,7757
13,787	-6,6075	15,947	6,7963
13,797	-6,5722	15,942	6,8168
13,807	-6,5368	15,937	6,8372
13,817	-6,5014	15,932	6,8575
13,827	-6,4658	15,926	6,8778
13,837	-6,4302	15,921	6,8979
13,847	-6,3944	15,915	6,918
13,858	-6,3586	15,91	6,938
13,868	-6,3227	15,904	6,9579
13,878	-6,2866	15,898	6,9777
13,888	-6,2505	15,892	6,9974
13,898	-6,2144	15,886	7,017
13,908	-6,1781	15,879	7,0365
13,918	-6,1417	15,873	7,056
13,928	-6,1053	15,866	7,0753
13,938	-6,0687	15,859	7,0946
13,948	-6,0321	15,852	7,1138
13,958	-5,9954	15,845	7,1329
13,968	-5,9586	15,838	7,1518
13,979	-5,9217	15,831	7,1707



13,989	-5,8847	15,823	7,1895
13,999	-5,8477	15,816	7,2083
14,	-5,843	15,815	7,2106
14,01	-5,806	15,807	7,2291
14,02	-5,7689	15,799	7,2474
14,03	-5,7318	15,79	7,2657
14,04	-5,6945	15,782	7,2839
14,05	-5,6572	15,774	7,302
14,061	-5,6198	15,765	7,32
14,071	-5,5823	15,756	7,3379
14,081	-5,5447	15,748	7,3557
14,091	-5,5071	15,739	7,3734
14,101	-5,4693	15,729	7,391
14,111	-5,4315	15,72	7,4086
14,121	-5,3937	15,711	7,426
14,131	-5,3557	15,701	7,4433
14,141	-5,3177	15,692	7,4606
14,151	-5,2796	15,682	7,4777
14,161	-5,2414	15,672	7,4948
14,172	-5,2031	15,662	7,5117
14,182	-5,1648	15,652	7,5286
14,192	-5,1264	15,641	7,5453
14,202	-5,0879	15,631	7,562
14,212	-5,0494	15,62	7,5786
14,222	-5,0107	15,61	7,595
14,232	-4,9721	15,599	7,6114
14,242	-4,9333	15,588	7,6277
14,252	-4,8945	15,577	7,6438
14,262	-4,8556	15,566	7,6599
14,272	-4,8166	15,554	7,6759
14,282	-4,7775	15,543	7,6918
14,293	-4,7384	15,531	7,7076
14,303	-4,6993	15,519	7,7232
14,313	-4,66	15,507	7,7388
14,323	-4,6207	15,495	7,7543
14,333	-4,5813	15,483	7,7697
14,343	-4,5419	15,471	7,785
14,353	-4,5024	15,459	7,8001
14,363	-4,4629	15,446	7,8152
14,373	-4,4232	15,434	7,8302
14,383	-4,3835	15,421	7,8451
14,393	-4,3438	15,408	7,8599
14,404	-4,304	15,395	7,8745
14,414	-4,2641	15,382	7,8891
14,424	-4,2242	15,368	7,9036
14,434	-4,1842	15,355	7,918
14,444	-4,1441	15,341	7,9322
14,454	-4,104	15,328	7,9464
14,464	-4,0638	15,314	7,9605
14,474	-4,0236	15,3	7,9744
14,484	-3,9833	15,286	7,9883
14,494	-3,943	15,272	8,0021
14,504	-3,9026	15,257	8,0157
14,514	-3,8621	15,243	8,0293
14,525	-3,8216	15,228	8,0427
14,535	-3,7811	15,214	8,0561
14,545	-3,7404	15,199	8,0693
14,555	-3,6998	15,184	8,0825
14,565	-3,659	15,169	8,0955
14,575	-3,6183	15,154	8,1085
14,585	-3,5774	15,138	8,1213
14,595	-3,5366	15,123	8,134
14,605	-3,4956	15,108	8,1466
14,615	-3,4546	15,092	8,1592
14,625	-3,4136	15,076	8,1716
14,635	-3,3725	15,06	8,1839
14,646	-3,3314	15,044	8,1961
14,656	-3,2903	15,028	8,2082
14,666	-3,249	15,012	8,2202
14,676	-3,2078	14,995	8,2321
14,686	-3,1665	14,979	8,2438
14,696	-3,1251	14,962	8,2555
14,706	-3,0838	14,945	8,2671
14,716	-3,0423	14,929	8,2785
14,726	-3,0009	14,912	8,2899
14,736	-2,9593	14,894	8,3011
14,746	-2,9178	14,877	8,3123
14,756	-2,8762	14,86	8,3233
14,767	-2,8346	14,842	8,3342
14,777	-2,7929	14,825	8,345
14,787	-2,7512	14,807	8,3558
14,797	-2,7094	14,789	8,3664
14,807	-2,6677	14,771	8,3769
14,817	-2,6258	14,753	8,3873
14,827	-2,584	14,735	8,3975
14,837	-2,5421	14,717	8,4077
14,847	-2,5002	14,698	8,4178

	-2,4582	14,68	8,4277
14,867	-2,4162	14,661	8,4376
14,877	-2,3742	14,643	8,4473
14,887	-2,3321	14,624	8,457
14,898	-2,29	14,605	8,4665
14,908	-2,2479	14,586	8,4759
14,918	-2,2057	14,566	8,4852
14,928	-2,1635	14,547	8,4944
14,938	-2,1213	14,528	8,5035
14,948	-2,079	14,508	8,5125
14,958	-2,0367	14,489	8,5214
14,968	-1,9944	14,469	8,5302
14,978	-1,9521	14,449	8,5388
14,988	-1,9097	14,429	8,5474
14,998	-1,8673	14,409	8,5558
15,	-1,8603	14,406	8,5572

FIGURE 49

Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Equivalent Stress PIEL Y M

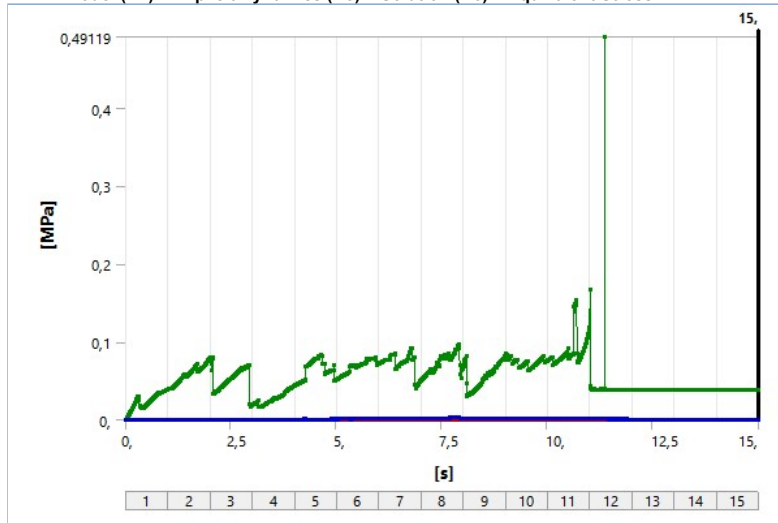


TABLE 43

Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Equivalent Stress PIEL Y M

Time [s]	Minimum [MPa]	Maximum [MPa]	Average [MPa]
1,1755e-038		0,	0,
1,0443e-002		7,3639e-004	2,9433e-006
2,0904e-002		1,7072e-003	6,7439e-006
3,1366e-002		2,6632e-003	1,0588e-005
4,1827e-002		3,6085e-003	1,4488e-005
5,2289e-002		4,5483e-003	1,8407e-005
6,275e-002		5,4833e-003	2,2382e-005
7,3211e-002		6,4185e-003	2,6456e-005
8,3672e-002		7,3583e-003	3,0604e-005
9,4132e-002		8,3057e-003	3,4893e-005
0,10459		9,2643e-003	3,9283e-005
0,11505		1,0237e-002	4,3821e-005
0,12551		1,1226e-002	4,8526e-005
0,13597		1,2235e-002	5,3402e-005
0,14643		1,3264e-002	5,843e-005
0,15689		1,4315e-002	6,3651e-005
0,16735		1,539e-002	6,9055e-005
0,17781		1,6488e-002	7,4639e-005
0,18826		1,761e-002	8,0456e-005
0,19872		1,8756e-002	8,6465e-005
0,20918		1,9925e-002	9,2693e-005
0,21963		2,1118e-002	9,9135e-005
0,23009		2,2332e-002	1,058e-004
0,24054		2,3567e-002	1,1273e-004
0,25099		2,4821e-002	1,1989e-004
0,26145		2,6089e-002	1,2734e-004
0,2719		2,7359e-002	1,3513e-004
0,28235		2,8594e-002	1,4349e-004
0,2928		2,9647e-002	1,5309e-004
0,30326		2,9683e-002	1,667e-004
0,31371		2,4653e-002	1,7586e-004
0,32417		1,7752e-002	1,4085e-004
0,33464		1,7005e-002	1,1834e-004
0,3451		1,6509e-002	1,1593e-004
0,35556		1,5273e-002	1,222e-004
0,36602		1,5494e-002	1,2897e-004
0,37648		1,5675e-002	1,1949e-004
0,38694		1,5809e-002	1,1481e-004
0,3974		1,5616e-002	1,139e-004
0,40786		1,5558e-002	1,2265e-004
0,41832		1,5721e-002	1,2217e-004

0,42878	1,5833e-002	1,1636e-004
0,43924	1,6219e-002	1,1635e-004
0,4497	1,6776e-002	1,2386e-004
0,46016	1,7355e-002	1,2129e-004
0,47062	1,7933e-002	1,2008e-004
0,48108	1,8509e-002	1,2101e-004
0,49154	1,9091e-002	1,252e-004
0,502	1,9658e-002	1,2667e-004
0,51246	2,0232e-002	1,253e-004
0,52292	2,0819e-002	1,2706e-004
0,53337	2,1377e-002	1,2925e-004
0,54383	2,1958e-002	1,3135e-004
0,55429	2,2537e-002	1,32e-004
0,56475	2,3099e-002	1,3122e-004
0,57521	2,3693e-002	1,3496e-004
0,58567	2,4263e-002	1,3791e-004
0,59613	2,4834e-002	1,3723e-004
0,60658	2,5422e-002	1,3721e-004
0,61704	2,6014e-002	1,4168e-004
0,6275	2,66e-002	1,4626e-004
0,63796	2,7181e-002	1,4751e-004
0,64842	2,7761e-002	1,4859e-004
0,65887	2,8331e-002	1,5134e-004
0,66933	2,8888e-002	1,559e-004
0,67979	2,9455e-002	1,6101e-004
0,69025	3,0017e-002	1,6328e-004
0,70071	3,0572e-002	1,6485e-004
0,71117	3,114e-002	1,692e-004
0,72162	3,1652e-002	1,734e-004
0,73208	3,2176e-002	1,7654e-004
0,74254	3,2726e-002	1,8021e-004
0,753	3,3291e-002	1,8569e-004
0,76346	3,3732e-002	1,888e-004
0,77392	3,4106e-002	1,9254e-004
0,78438	3,4461e-002	1,9843e-004
0,79484	3,4793e-002	2,0369e-004
0,80529	3,4614e-002	1,9736e-004
0,81575	3,4134e-002	2,0676e-004
0,82621	3,425e-002	2,142e-004
0,83667	3,452e-002	2,1709e-004
0,84713	3,4836e-002	2,1927e-004
0,85759	3,5093e-002	2,2452e-004
0,86805	3,5397e-002	2,3001e-004
0,8785	3,5682e-002	2,3619e-004
0,88896	3,5999e-002	2,4139e-004
0,89942	3,6293e-002	2,4557e-004
0,90988	3,659e-002	2,5165e-004
0,92033	3,6889e-002	2,5732e-004
0,93079	3,7205e-002	2,6235e-004
0,94124	3,7513e-002	2,6841e-004
0,9517	3,7815e-002	2,745e-004
0,96216	3,8117e-002	2,7989e-004
0,97261	3,8424e-002	2,8551e-004
0,98307	3,875e-002	2,9134e-004
0,99352	3,9052e-002	2,9767e-004
1,	3,9251e-002	3,0131e-004
1,0105	3,9498e-002	3,0412e-004
1,0209	3,9677e-002	3,0737e-004
1,0314	3,985e-002	3,1105e-004
1,0418	4,0006e-002	3,1367e-004
1,0523	4,0164e-002	3,1675e-004
1,0627	4,0312e-002	3,2008e-004
1,0732	4,0447e-002	3,2305e-004
1,0836	4,058e-002	3,2617e-004
1,0941	4,0709e-002	3,3008e-004
1,1045	4,0483e-002	3,3324e-004
1,115	4,0899e-002	3,3637e-004
1,1255	4,1423e-002	3,3949e-004
1,1359	4,1974e-002	3,4281e-004
1,1464	4,2539e-002	3,4582e-004
1,1568	4,3088e-002	3,4975e-004
1,1673	4,3645e-002	3,5328e-004
1,1777	4,4242e-002	3,5622e-004
1,1882	4,484e-002	3,5929e-004
1,1986	4,5432e-002	3,63e-004
1,2091	4,6047e-002	3,6663e-004
1,2195	4,6669e-002	3,7028e-004
1,23	4,7278e-002	3,729e-004
1,2404	4,7895e-002	3,7622e-004
1,2509	4,8545e-002	3,7971e-004
1,2613	4,9199e-002	3,833e-004
1,2718	4,9882e-002	3,8688e-004
1,2823	5,0574e-002	3,9028e-004
1,2927	5,1279e-002	3,9386e-004
1,3032	5,2009e-002	3,9726e-004
1,3136	5,2743e-002	4,0076e-004
1,3241	5,3486e-002	4,0447e-004

	5,4249e-002	4,0824e-004
1,345	5,504e-002	4,1159e-004
1,3554	5,5838e-002	4,1537e-004
1,3659	5,6579e-002	4,1804e-004
1,3763	5,6937e-002	4,2327e-004
1,3868	5,7281e-002	4,2875e-004
1,3972	5,774e-002	4,3552e-004
1,4077	5,8116e-002	4,413e-004
1,4181	5,8653e-002	4,47e-004
1,4286	5,9028e-002	4,5409e-004
1,439	5,4592e-002	4,5508e-004
1,4495	5,5559e-002	4,5786e-004
1,4599	5,6349e-002	4,6174e-004
1,4704	5,7085e-002	4,6734e-004
1,4808	5,7963e-002	4,7004e-004
1,4913	5,8787e-002	4,7375e-004
1,5017	5,9235e-002	4,811e-004
1,5122	5,987e-002	4,8795e-004
1,5226	6,0397e-002	4,9465e-004
1,5331	6,0845e-002	4,9999e-004
1,5435	6,1549e-002	5,0579e-004
1,554	6,2056e-002	5,1355e-004
1,5644	6,2603e-002	5,1966e-004
1,5749	6,3219e-002	5,2688e-004
1,5853	6,3806e-002	5,3497e-004
1,5958	6,4475e-002	5,4021e-004
1,6062	6,5173e-002	5,4566e-004
1,6167	6,5907e-002	5,5568e-004
1,6271	6,7086e-002	5,6461e-004
1,6376	6,768e-002	5,7051e-004
1,648	6,8631e-002	5,7693e-004
1,6585	6,941e-002	5,8394e-004
1,669	7,0164e-002	5,9002e-004
1,6794	7,0983e-002	5,9756e-004
1,6899	7,1794e-002	6,0651e-004
1,7003	7,2572e-002	6,1373e-004
1,7108	6,1167e-002	6,0739e-004
1,7212	6,1894e-002	6,1921e-004
1,7317	6,2476e-002	6,208e-004
1,7421	6,2932e-002	6,2539e-004
1,7526	6,3469e-002	6,3488e-004
1,763	6,4061e-002	6,4401e-004
1,7735	6,4581e-002	6,4881e-004
1,7839	6,4806e-002	6,5492e-004
1,7944	6,5555e-002	6,5812e-004
1,8048	6,6382e-002	6,6299e-004
1,8153	6,6738e-002	6,7849e-004
1,8257	6,7127e-002	6,8333e-004
1,8362	6,7544e-002	6,886e-004
1,8466	6,7862e-002	6,9477e-004
1,8571	6,8604e-002	6,9836e-004
1,8675	6,9529e-002	7,0632e-004
1,878	7,0247e-002	7,1408e-004
1,8885	7,1049e-002	7,181e-004
1,8989	7,2042e-002	7,1905e-004
1,9094	7,3024e-002	7,2068e-004
1,9198	7,3894e-002	7,2423e-004
1,9303	7,5054e-002	7,3049e-004
1,9407	7,5842e-002	7,3847e-004
1,9512	7,6539e-002	7,4395e-004
1,9616	7,7658e-002	7,4412e-004
1,9721	7,8415e-002	7,4632e-004
1,9825	7,9208e-002	7,5136e-004
1,993	8,0347e-002	7,578e-004
2,	8,096e-002	7,58e-004
2,0105	8,0624e-002	7,6176e-004
2,0209	7,8349e-002	7,6625e-004
2,0313	6,3832e-002	7,7657e-004
2,0417	7,1519e-002	6,8533e-004
2,0521	7,469e-002	7,4383e-004
2,0625	8,0321e-002	7,2073e-004
2,0729	7,8861e-002	7,0806e-004
2,0833	3,2583e-002	6,1804e-004
2,0937	3,4017e-002	5,4713e-004
2,1041	3,5304e-002	5,0833e-004
2,1145	3,5224e-002	4,8711e-004
2,1249	3,4617e-002	5,1615e-004
2,1353	3,599e-002	5,0795e-004
2,1457	3,6395e-002	5,0222e-004
2,1562	3,6906e-002	4,3723e-004
2,1666	3,6713e-002	5,1791e-004
2,177	3,7279e-002	4,8613e-004
2,1874	3,84e-002	4,7278e-004
2,1978	3,8923e-002	4,3965e-004
2,2082	3,8756e-002	4,7503e-004
2,2186	3,9436e-002	5,1236e-004
2,229	4,0115e-002	4,5027e-004

	4,111e-002	4,2337e-004
2,2499	4,1199e-002	4,5686e-004
2,2603	4,1499e-002	5,1887e-004
2,2707	4,2272e-002	4,8361e-004
2,2811	4,3059e-002	4,2807e-004
2,2915	4,3586e-002	4,4984e-004
2,3019	4,3917e-002	4,7925e-004
2,3123	4,4194e-002	4,7151e-004
2,3227	4,4848e-002	4,6389e-004
2,3331	4,539e-002	4,7968e-004
2,3435	4,5895e-002	4,6924e-004
2,3539	4,6368e-002	4,562e-004
2,3643	4,6754e-002	4,7797e-004
2,3747	4,7442e-002	4,753e-004
2,3851	4,7987e-002	4,8493e-004
2,3955	4,8524e-002	4,7181e-004
2,4059	4,8998e-002	4,7984e-004
2,4163	4,9485e-002	4,9764e-004
2,4267	5,0128e-002	4,8086e-004
2,4371	5,0804e-002	4,7178e-004
2,4475	5,1271e-002	4,7404e-004
2,4579	5,1029e-002	4,821e-004
2,4684	5,1532e-002	4,991e-004
2,4788	5,2201e-002	4,7122e-004
2,4892	5,2894e-002	4,5275e-004
2,4996	5,3423e-002	4,6785e-004
2,51	5,3696e-002	4,8401e-004
2,5204	5,4112e-002	4,9465e-004
2,5308	5,4681e-002	4,8543e-004
2,5412	5,5384e-002	4,8172e-004
2,5516	5,5927e-002	4,7687e-004
2,562	5,6338e-002	4,7961e-004
2,5724	5,6771e-002	5,1011e-004
2,5828	5,7352e-002	5,1414e-004
2,5932	5,7994e-002	5,0366e-004
2,6036	5,8596e-002	4,9486e-004
2,614	5,907e-002	5,0111e-004
2,6244	5,9566e-002	5,2928e-004
2,6348	6,0163e-002	5,1994e-004
2,6452	6,0803e-002	5,1937e-004
2,6556	6,1522e-002	5,1253e-004
2,666	6,2034e-002	5,1566e-004
2,6764	6,2609e-002	5,1403e-004
2,6868	6,3154e-002	5,2025e-004
2,6972	6,3667e-002	5,3072e-004
2,7076	6,4242e-002	5,4334e-004
2,718	6,4775e-002	5,4283e-004
2,7284	6,5346e-002	5,4325e-004
2,7388	6,5915e-002	5,4747e-004
2,7492	6,6494e-002	5,5033e-004
2,7596	6,4151e-002	4,5893e-004
2,77	6,4634e-002	5,0657e-004
2,7804	6,4928e-002	5,3443e-004
2,7908	6,5351e-002	5,3941e-004
2,8012	6,5953e-002	5,0406e-004
2,8116	6,6598e-002	4,8296e-004
2,822	6,6917e-002	4,9533e-004
2,8324	6,7162e-002	5,3071e-004
2,8428	6,7627e-002	5,3206e-004
2,8532	6,8177e-002	5,1862e-004
2,8636	6,7512e-002	5,1096e-004
2,874	6,8074e-002	4,8379e-004
2,8844	6,837e-002	4,8867e-004
2,8948	6,8884e-002	4,9043e-004
2,9052	6,924e-002	5,1155e-004
2,9156	6,9756e-002	5,122e-004
2,926	7,02e-002	5,0305e-004
2,9364	7,0775e-002	4,9324e-004
2,9468	1,9719e-002	3,443e-004
2,9572	1,6707e-002	5,2722e-004
2,9676	1,7332e-002	5,0116e-004
2,978	1,8093e-002	4,4462e-004
2,9884	1,7549e-002	4,6414e-004
2,9987	1,8548e-002	4,0304e-004
3,	1,9239e-002	3,346e-004
3,0104	1,9385e-002	3,5627e-004
3,0208	1,9615e-002	3,1493e-004
3,0312	1,9434e-002	3,9519e-004
3,0416	2,0116e-002	3,487e-004
3,052	2,1035e-002	3,1931e-004
3,0624	2,1733e-002	2,7733e-004
3,0728	2,1576e-002	3,0442e-004
3,0832	2,1944e-002	3,5422e-004
3,0936	2,252e-002	2,9916e-004
3,104	2,3435e-002	2,629e-004
3,1145	2,3893e-002	2,7606e-004
3,1249	2,3902e-002	3,1207e-004

	2,4296e-002	3,3984e-004
3,1457	2,5016e-002	2,9869e-004
3,1561	1,6393e-002	2,5918e-004
3,1665	1,652e-002	2,7375e-004
3,1769	1,6419e-002	3,2189e-004
3,1873	1,6726e-002	2,8915e-004
3,1977	1,7364e-002	2,4457e-004
3,2081	1,752e-002	2,8268e-004
3,2185	1,7402e-002	2,875e-004
3,2289	1,7512e-002	3,3737e-004
3,2393	1,8013e-002	3,0716e-004
3,2497	1,8483e-002	2,9418e-004
3,2601	1,8465e-002	3,1765e-004
3,2705	1,8533e-002	3,4859e-004
3,2809	1,8942e-002	3,3173e-004
3,2913	1,9451e-002	3,2884e-004
3,3017	1,9556e-002	3,6064e-004
3,3121	1,9632e-002	3,7956e-004
3,3225	1,9955e-002	3,6939e-004
3,3329	2,0509e-002	3,5098e-004
3,3433	2,0901e-002	3,6821e-004
3,3536	2,1155e-002	4,0486e-004
3,364	2,1564e-002	4,2393e-004
3,3744	2,2188e-002	4,0077e-004
3,3848	2,2742e-002	3,916e-004
3,3952	2,3134e-002	4,257e-004
3,4056	2,3551e-002	4,3262e-004
3,4159	2,3919e-002	3,3538e-004
3,4263	2,4167e-002	4,0048e-004
3,4367	2,3455e-002	4,6111e-004
3,4471	2,3806e-002	4,4265e-004
3,4575	2,4845e-002	3,5679e-004
3,4679	2,5334e-002	3,596e-004
3,4783	2,5534e-002	3,5218e-004
3,4887	2,5434e-002	4,2316e-004
3,4991	2,5926e-002	4,2088e-004
3,5095	2,6654e-002	3,5676e-004
3,5199	2,7225e-002	3,6518e-004
3,5303	2,7598e-002	3,5365e-004
3,5406	2,633e-002	3,9984e-004
3,551	2,7201e-002	3,9195e-004
3,5614	2,7236e-002	3,8442e-004
3,5718	2,7348e-002	3,9855e-004
3,5822	2,7546e-002	4,1343e-004
3,5926	2,7694e-002	4,0142e-004
3,603	2,8028e-002	3,9724e-004
3,6134	2,8298e-002	3,9816e-004
3,6237	2,8474e-002	4,3882e-004
3,6341	2,882e-002	4,4669e-004
3,6445	2,9229e-002	4,1842e-004
3,6549	2,9485e-002	4,3158e-004
3,6653	2,9782e-002	4,536e-004
3,6756	3,0133e-002	4,5124e-004
3,686	3,0534e-002	4,5358e-004
3,6964	3,0853e-002	4,7162e-004
3,7068	3,1131e-002	4,9118e-004
3,7171	3,1529e-002	4,8438e-004
3,7275	3,1998e-002	4,705e-004
3,7379	3,2238e-002	4,8566e-004
3,7482	3,2465e-002	5,1397e-004
3,7586	3,2761e-002	5,2751e-004
3,769	3,3154e-002	5,2091e-004
3,7793	3,5865e-002	4,6653e-004
3,7897	3,627e-002	4,5149e-004
3,8001	3,6604e-002	4,2704e-004
3,8105	3,661e-002	4,8214e-004
3,8209	3,6584e-002	5,1556e-004
3,8313	3,7215e-002	4,8348e-004
3,8416	3,7767e-002	4,4756e-004
3,852	3,946e-002	4,3888e-004
3,8624	3,909e-002	5,005e-004
3,8728	3,9144e-002	5,143e-004
3,8831	3,9751e-002	4,9979e-004
3,8935	4,021e-002	4,7756e-004
3,9039	4,0609e-002	4,8667e-004
3,9143	4,0761e-002	4,955e-004
3,9246	4,1087e-002	5,2937e-004
3,935	4,1501e-002	5,0791e-004
3,9454	4,2043e-002	4,9995e-004
3,9558	4,2326e-002	5,2431e-004
3,9661	4,2604e-002	5,2443e-004
3,9765	4,2881e-002	5,434e-004
3,9869	4,3333e-002	5,3077e-004
3,9973	4,3807e-002	5,2731e-004
4,	4,3836e-002	5,5002e-004
4,0104	4,4193e-002	5,542e-004
4,0207	4,4503e-002	5,6278e-004

	4,4709e-002	5,5074e-004
4,0415	4,4884e-002	5,6987e-004
4,0518	4,5231e-002	6,0756e-004
4,0622	4,5591e-002	6,2523e-004
4,0726	4,6025e-002	6,1535e-004
4,0829	4,6505e-002	6,1167e-004
4,0933	4,6825e-002	6,2988e-004
4,1036	4,7083e-002	6,6508e-004
4,1139	4,658e-002	6,9256e-004
4,1242	4,7017e-002	6,9108e-004
4,1346	4,743e-002	6,9386e-004
4,1447	4,766e-002	7,1083e-004
4,1551	4,8079e-002	7,3405e-004
4,1654	4,8586e-002	7,5537e-004
4,1758	4,8919e-002	7,698e-004
4,186	4,9295e-002	7,8375e-004
4,1962	4,8571e-002	8,1431e-004
4,2065	4,8793e-002	8,1839e-004
4,2168	4,9327e-002	8,2428e-004
4,2272	4,9759e-002	8,4719e-004
4,2375	5,0131e-002	8,6756e-004
4,2479	5,073e-002	8,6774e-004
4,2582	5,1451e-002	8,6458e-004
4,2681	6,8471e-002	6,3362e-004
4,2785	6,9083e-002	8,0397e-004
4,2888	6,8916e-002	7,4299e-004
4,2991	6,8898e-002	7,9686e-004
4,3094	6,9439e-002	7,5793e-004
4,3198	7,0254e-002	6,843e-004
4,3301	7,0087e-002	7,3908e-004
4,3405	7,0524e-002	7,3238e-004
4,3508	7,111e-002	7,0286e-004
4,3612	7,1919e-002	6,7643e-004
4,3715	7,2243e-002	7,0866e-004
4,3819	7,241e-002	7,5931e-004
4,3922	7,3028e-002	6,9048e-004
4,4026	7,3939e-002	6,211e-004
4,4129	7,4047e-002	6,8313e-004
4,4233	7,5164e-002	7,1452e-004
4,4336	7,5766e-002	7,1712e-004
4,444	7,6415e-002	7,066e-004
4,4543	7,6959e-002	7,0408e-004
4,4647	7,7019e-002	7,307e-004
4,475	7,7232e-002	7,0941e-004
4,4853	7,7689e-002	6,9627e-004
4,4957	7,7901e-002	7,3811e-004
4,506	7,8028e-002	7,7723e-004
4,5164	7,8222e-002	7,6251e-004
4,5267	7,8526e-002	7,2469e-004
4,537	7,8808e-002	7,1421e-004
4,5474	7,8583e-002	7,5709e-004
4,5577	7,8806e-002	7,9771e-004
4,568	7,9077e-002	8,1181e-004
4,5784	8,1254e-002	6,9579e-004
4,5887	8,2143e-002	6,1832e-004
4,5991	8,2587e-002	6,6397e-004
4,6095	8,2678e-002	6,1499e-004
4,6198	8,2431e-002	7,3419e-004
4,6302	8,2585e-002	7,8957e-004
4,6405	8,3034e-002	7,4251e-004
4,6509	8,2614e-002	5,6819e-004
4,6613	7,1077e-002	6,4179e-004
4,6716	7,1759e-002	6,8827e-004
4,682	7,1401e-002	7,2552e-004
4,6923	7,1778e-002	7,4144e-004
4,7027	7,2415e-002	6,6863e-004
4,713	7,211e-002	6,9322e-004
4,7234	5,8558e-002	7,4534e-004
4,7337	5,9823e-002	6,9736e-004
4,744	5,9701e-002	6,5429e-004
4,7544	6,0167e-002	7,0654e-004
4,7647	6,0306e-002	7,7675e-004
4,7751	6,0436e-002	6,9154e-004
4,7854	6,1295e-002	6,4742e-004
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4,8061	6,1229e-002	7,5804e-004
4,8165	6,1572e-002	7,9862e-004
4,8268	6,2059e-002	7,3939e-004
4,8372	6,2471e-002	6,8886e-004
4,8475	6,2636e-002	7,6361e-004
4,8579	6,2781e-002	7,6063e-004
4,8682	6,3187e-002	7,8307e-004
4,8785	6,3501e-002	8,1288e-004
4,8889	6,3566e-002	8,3752e-004
4,8992	6,3631e-002	8,1012e-004
4,9096	6,3127e-002	7,8879e-004
4,9199	6,3445e-002	8,084e-004

	6,328e-002	8,921e-004
4,9406	7,0427e-002	7,7687e-004
4,9509	4,9293e-002	8,4739e-004
4,9612	5,0187e-002	8,3694e-004
4,9716	5,0641e-002	8,1159e-004
4,9819	5,1043e-002	8,0681e-004
4,9923	5,1131e-002	8,5389e-004
5,	5,1489e-002	8,4933e-004
5,0104	5,1787e-002	8,6094e-004
5,0207	5,2421e-002	8,2057e-004
5,031	5,2764e-002	8,3459e-004
5,0414	5,301e-002	8,7832e-004
5,0517	5,3422e-002	9,0149e-004
5,0621	5,3801e-002	8,8971e-004
5,0724	5,4297e-002	8,6969e-004
5,0828	5,46e-002	9,0527e-004
5,0931	5,4826e-002	9,1995e-004
5,1034	5,5319e-002	9,4096e-004
5,1138	5,5702e-002	9,321e-004
5,1241	5,6016e-002	9,4293e-004
5,1344	5,6305e-002	9,2731e-004
5,1448	5,6584e-002	9,6214e-004
5,1551	5,7111e-002	9,5807e-004
5,1655	5,7348e-002	9,7605e-004
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5,1861	5,7773e-002	9,9013e-004
5,1965	5,8008e-002	9,8705e-004
5,2068	5,833e-002	1,002e-003
5,2171	5,8684e-002	1,0148e-003
5,2275	5,8894e-002	1,029e-003
5,2378	5,9197e-002	1,0375e-003
5,2481	5,9599e-002	1,0306e-003
5,2584	5,9949e-002	1,0408e-003
5,2688	6,0286e-002	1,0444e-003
5,2791	6,0546e-002	1,0677e-003
5,2894	6,0869e-002	1,0748e-003
5,2997	6,1248e-002	1,0777e-003
5,3101	6,1664e-002	1,0874e-003
5,3204	6,7888e-002	1,0358e-003
5,3308	6,836e-002	9,416e-004
5,3411	6,9453e-002	8,3462e-004
5,3515	6,9409e-002	8,9181e-004
5,3618	6,8849e-002	9,7827e-004
5,3722	6,9627e-002	9,918e-004
5,3825	7,0356e-002	9,3311e-004
5,3929	6,9861e-002	9,1709e-004
5,4033	6,9433e-002	9,7603e-004
5,4136	6,9693e-002	9,6608e-004
5,4239	7,0073e-002	9,6975e-004
5,4343	7,0868e-002	9,5401e-004
5,4447	7,0485e-002	1,0184e-003
5,455	7,0634e-002	1,0152e-003
5,4653	6,7526e-002	9,9115e-004
5,4757	6,828e-002	9,6924e-004
5,486	6,8569e-002	1,0316e-003
5,4964	6,849e-002	1,085e-003
5,5067	6,8773e-002	1,0737e-003
5,517	6,9264e-002	1,0197e-003
5,5274	6,9699e-002	9,8456e-004
5,5377	6,9753e-002	1,0496e-003
5,548	6,9829e-002	1,0743e-003
5,5583	7,0117e-002	1,1211e-003
5,5687	7,0662e-002	1,0974e-003
5,579	7,0992e-002	1,0505e-003
5,5893	7,1174e-002	1,0396e-003
5,5996	7,1364e-002	1,0747e-003
5,6099	7,14e-002	1,1232e-003
5,6203	7,1845e-002	1,1512e-003
5,6306	7,2332e-002	1,1071e-003
5,6409	7,2104e-002	1,1153e-003
5,6512	7,2361e-002	1,1517e-003
5,6615	7,2513e-002	1,2096e-003
5,6718	7,2642e-002	1,2293e-003
5,6822	7,3e-002	1,2017e-003
5,6925	7,3002e-002	1,2131e-003
5,7028	7,2823e-002	1,2469e-003
5,7131	7,3003e-002	1,3018e-003
5,7234	7,8579e-002	1,0844e-003
5,7337	7,6971e-002	1,2216e-003
5,7441	7,7335e-002	1,1122e-003
5,7544	7,7063e-002	1,2671e-003
5,7647	7,7289e-002	1,2576e-003
5,7751	7,7647e-002	1,2152e-003
5,7854	7,8012e-002	1,1446e-003
5,7957	7,7959e-002	1,2201e-003
5,8061	7,8028e-002	1,2686e-003
5,8164	7,8114e-002	1,321e-003



	7,823e-002	1,2791e-003
5,8371	7,8165e-002	1,2411e-003
5,8474	7,8277e-002	1,2658e-003
5,8577	7,8205e-002	1,317e-003
5,8681	7,8189e-002	1,3663e-003
5,8784	7,8216e-002	1,3324e-003
5,8887	7,8205e-002	1,2416e-003
5,899	7,8004e-002	1,2369e-003
5,9093	7,7837e-002	1,2716e-003
5,9197	7,7686e-002	1,2677e-003
5,93	7,7566e-002	1,262e-003
5,9401	8,014e-002	1,2852e-003
5,9504	6,9561e-002	1,2832e-003
5,9607	7,1347e-002	1,1384e-003
5,9711	7,2301e-002	1,0014e-003
5,9814	7,1734e-002	1,0474e-003
5,9917	7,1635e-002	1,0645e-003
6,	7,2319e-002	1,0384e-003
6,0103	7,1984e-002	1,1765e-003
6,0207	7,3037e-002	1,0584e-003
6,031	7,3348e-002	1,0131e-003
6,0414	7,35e-002	1,0043e-003
6,0517	7,3758e-002	1,057e-003
6,062	7,3594e-002	1,2166e-003
6,0724	7,4181e-002	1,1077e-003
6,0827	7,4712e-002	1,1006e-003
6,093	7,514e-002	1,0126e-003
6,1034	7,5069e-002	1,1784e-003
6,1137	7,5182e-002	1,2486e-003
6,124	7,5411e-002	1,2083e-003
6,1344	7,6089e-002	1,101e-003
6,1447	7,6233e-002	1,1586e-003
6,155	7,6464e-002	1,2484e-003
6,1653	7,6486e-002	1,2864e-003
6,1757	7,6616e-002	
6,186	7,6688e-002	1,2376e-003
6,1963	7,6853e-002	1,2618e-003
6,2067	7,6931e-002	1,3425e-003
6,217	7,7088e-002	1,3177e-003
6,2273	7,7282e-002	1,3211e-003
6,2376	7,7377e-002	1,3314e-003
6,248	7,7373e-002	1,3711e-003
6,2583	7,7299e-002	1,4152e-003
6,2686	7,7415e-002	1,4407e-003
6,2789	8,1148e-002	1,4255e-003
6,2892	8,2722e-002	1,3599e-003
6,2996	8,2832e-002	1,4011e-003
6,3099	8,329e-002	1,4687e-003
6,3202	8,3321e-002	1,5039e-003
6,3305	8,3387e-002	1,4672e-003
6,3409	8,3672e-002	1,461e-003
6,3512	8,3856e-002	1,5315e-003
6,3615	8,396e-002	1,5869e-003
6,3719	8,4088e-002	1,5939e-003
6,3822	8,4259e-002	1,5629e-003
6,3925	8,444e-002	1,5972e-003
6,4028	6,5268e-002	1,5425e-003
6,4132	6,5887e-002	1,6409e-003
6,4235	6,7747e-002	1,614e-003
6,4338	6,7738e-002	1,6177e-003
6,4441	6,7905e-002	1,6368e-003
6,4545	6,8261e-002	1,6544e-003
6,4648	6,8576e-002	1,6876e-003
6,4751	6,9046e-002	1,6904e-003
6,4854	7,0306e-002	1,6888e-003
6,4957	7,0589e-002	1,7225e-003
6,5061	7,1099e-002	1,7577e-003
6,5164	7,1511e-002	1,762e-003
6,5267	7,1759e-002	1,7837e-003
6,537	7,2379e-002	1,8218e-003
6,5473	7,2429e-002	1,8511e-003
6,5576	7,295e-002	1,871e-003
6,568	7,3243e-002	1,8904e-003
6,5783	7,3782e-002	1,928e-003
6,5886	7,4215e-002	1,9465e-003
6,5989	7,4288e-002	1,9852e-003
6,6092	7,4712e-002	2,0057e-003
6,6195	7,4897e-002	1,8467e-003
6,6298	7,523e-002	1,9201e-003
6,6401	7,5431e-002	1,9539e-003
6,6504	7,5516e-002	2,0494e-003
6,6607	7,5777e-002	2,0264e-003
6,671	7,6017e-002	2,0204e-003
6,6813	7,6986e-002	2,0356e-003
6,6916	7,832e-002	2,1137e-003
6,7019	8,0113e-002	2,1592e-003
6,7121	8,1927e-002	2,1268e-003

6,7224	8,4646e-002	2,1536e-003
6,7327	8,5527e-002	2,213e-003
6,743	8,6491e-002	2,2663e-003
6,7533	8,6943e-002	2,2474e-003
6,7636	9,0093e-002	2,2623e-003
6,7738	9,1196e-002	2,3233e-003
6,7841	9,2621e-002	2,3675e-003
6,7944	7,6728e-002	2,2415e-003
6,8047	7,6395e-002	2,208e-003
6,815	7,729e-002	2,1266e-003
6,8253	7,7635e-002	2,2983e-003
6,8356	7,7667e-002	2,295e-003
6,8459	7,987e-002	2,2438e-003
6,8562	8,0974e-002	2,2433e-003
6,8664	4,4824e-002	1,6915e-003
6,8768	4,1894e-002	1,9123e-003
6,8872	4,0689e-002	1,6767e-003
6,8975	4,129e-002	1,7778e-003
6,9079	4,3121e-002	1,7592e-003
6,9182	4,559e-002	1,7483e-003
6,9286	4,5266e-002	1,7718e-003
6,939	4,5871e-002	1,6446e-003
6,9493	4,4592e-002	1,6986e-003
6,9597	4,6031e-002	1,6536e-003
6,9701	4,8341e-002	1,8087e-003
6,9805	4,9563e-002	1,7249e-003
6,9908	5,0226e-002	1,8038e-003
7,	5,1427e-002	1,7153e-003
7,0104	5,0364e-002	1,8297e-003
7,0207	5,1774e-002	1,823e-003
7,0311	5,2438e-002	1,8683e-003
7,0415	5,3528e-002	1,8129e-003
7,0518	5,2869e-002	1,8868e-003
7,0622	5,3464e-002	1,9319e-003
7,0726	5,4194e-002	1,9157e-003
7,0829	5,4624e-002	1,9287e-003
7,0933	5,4917e-002	1,9553e-003
7,1036	5,4935e-002	2,0309e-003
7,114	5,6161e-002	1,9933e-003
7,1244	5,6179e-002	2,0158e-003
7,1347	5,7827e-002	2,0519e-003
7,1451	5,9158e-002	2,1006e-003
7,1554	5,9853e-002	2,0987e-003
7,1658	6,021e-002	2,0977e-003
7,1761	6,0322e-002	2,1486e-003
7,1865	6,1226e-002	2,1749e-003
7,1968	6,2032e-002	2,1954e-003
7,2072	6,2624e-002	2,195e-003
7,2175	6,2505e-002	2,2305e-003
7,2278	6,457e-002	2,2632e-003
7,2382	6,505e-002	2,2871e-003
7,2485	6,5086e-002	2,3062e-003
7,2589	6,0759e-002	2,2981e-003
7,2692	6,0827e-002	2,3378e-003
7,2795	6,3558e-002	2,3407e-003
7,2899	6,285e-002	2,3481e-003
7,3002	6,243e-002	2,381e-003
7,3106	6,3575e-002	2,4167e-003
7,3209	6,5001e-002	2,4277e-003
7,3312	6,5964e-002	2,428e-003
7,3416	6,6623e-002	2,4244e-003
7,3519	6,7396e-002	2,1841e-003
7,3623	6,9629e-002	2,362e-003
7,3727	7,3155e-002	2,1913e-003
7,383	6,7843e-002	2,3916e-003
7,3934	6,9052e-002	2,2345e-003
7,4038	7,0103e-002	2,2342e-003
7,4142	7,1221e-002	2,1682e-003
7,4246	6,9754e-002	2,3315e-003
7,435	6,8984e-002	2,3037e-003
7,4454	7,7609e-002	2,1725e-003
7,4558	8,1268e-002	2,2596e-003
7,4661	7,7825e-002	2,2627e-003
7,4765	8,0848e-002	2,3088e-003
7,4869	7,8385e-002	2,1919e-003
7,4972	7,8974e-002	2,2266e-003
7,5076	7,8896e-002	2,2801e-003
7,518	7,848e-002	2,319e-003
7,5284	8,0176e-002	2,3178e-003
7,5387	8,25e-002	2,2285e-003
7,5491	8,139e-002	2,3673e-003
7,5595	8,2738e-002	2,3828e-003
7,5699	7,9164e-002	2,3477e-003
7,5802	8,0065e-002	2,3015e-003
7,5906	7,923e-002	2,3641e-003
7,601	8,0273e-002	2,4242e-003
7,6113	8,2348e-002	2,3948e-003

	8,2326e-002	2,4149e-003
7,6321	8,2842e-002	2,4172e-003
7,6424	8,3233e-002	2,4859e-003
7,6528	8,3953e-002	2,4764e-003
7,6632	8,4442e-002	2,4815e-003
7,6735	7,6887e-002	2,4634e-003
7,6839	7,7615e-002	2,517e-003
7,6942	7,9493e-002	2,5689e-003
7,7046	7,7548e-002	2,5728e-003
7,7149	7,8859e-002	2,5828e-003
7,7253	8,007e-002	2,5937e-003
7,7356	8,0413e-002	2,6239e-003
7,746	8,1462e-002	2,6524e-003
7,7563	8,235e-002	2,6694e-003
7,7667	8,3269e-002	2,6945e-003
7,777	8,4518e-002	2,7174e-003
7,7873	8,4841e-002	2,739e-003
7,7977	8,6142e-002	2,7506e-003
7,808	8,587e-002	2,7861e-003
7,8184	9,0376e-002	2,8212e-003
7,8287	9,0757e-002	2,8467e-003
7,839	9,0837e-002	2,8738e-003
7,8494	9,1022e-002	2,8901e-003
7,8597	9,2015e-002	2,8986e-003
7,8701	9,1213e-002	2,8978e-003
7,8804	9,4442e-002	2,7766e-003
7,8908	9,6544e-002	2,6842e-003
7,9012	9,2541e-002	2,6654e-003
7,9115	9,3727e-002	2,7527e-003
7,9215	5,916e-002	1,9512e-003
7,9316	5,8181e-002	1,8961e-003
7,9418	7,069e-002	1,7203e-003
7,952	5,3274e-002	2,0512e-003
7,9621	6,4693e-002	1,8494e-003
7,9723	6,4068e-002	1,6219e-003
7,9825	6,8656e-002	1,5386e-003
7,9926	6,4981e-002	1,7056e-003
8,	6,7771e-002	1,6782e-003
8,0101	7,2975e-002	1,5964e-003
8,0203	6,8333e-002	1,5441e-003
8,0305	7,6885e-002	1,5326e-003
8,0407	7,5486e-002	1,7203e-003
8,0508	7,5015e-002	1,6483e-003
8,061	7,8089e-002	1,4443e-003
8,0712	8,1995e-002	1,5096e-003
8,0813	4,6082e-002	1,1733e-003
8,0915	3,1235e-002	1,2034e-003
8,1017	3,0101e-002	1,2399e-003
8,112	3,1374e-002	1,1487e-003
8,1222	3,1693e-002	1,1184e-003
8,1324	3,2587e-002	1,0235e-003
8,1426	3,201e-002	9,619e-004
8,1529	3,2404e-002	1,0385e-003
8,1631	3,3421e-002	1,0998e-003
8,1733	3,2899e-002	1,0274e-003
8,1836	3,3388e-002	9,4447e-004
8,1938	3,4303e-002	1,0112e-003
8,2041	3,3912e-002	1,0803e-003
8,2143	3,3892e-002	1,0893e-003
8,2245	3,4617e-002	9,9263e-004
8,2348	3,5574e-002	1,0115e-003
8,245	3,6157e-002	1,0456e-003
8,2552	3,615e-002	1,0657e-003
8,2654	3,7108e-002	1,0585e-003
8,2757	3,7946e-002	1,0399e-003
8,2859	3,8083e-002	1,1015e-003
8,2961	3,8831e-002	1,1014e-003
8,3064	3,9211e-002	1,1138e-003
8,3166	3,9478e-002	1,1005e-003
8,3268	3,9922e-002	1,1511e-003
8,337	4,0561e-002	1,1532e-003
8,3473	4,1731e-002	1,1481e-003
8,3575	4,2271e-002	1,1637e-003
8,3677	4,291e-002	1,193e-003
8,3779	4,3552e-002	1,2021e-003
8,3881	4,412e-002	1,2084e-003
8,3984	4,4588e-002	1,2423e-003
8,4086	4,4738e-002	1,2623e-003
8,4188	4,5138e-002	1,2722e-003
8,429	4,6235e-002	1,2782e-003
8,4392	4,7004e-002	1,3099e-003
8,4494	4,8646e-002	1,3328e-003
8,4597	5,0359e-002	1,3353e-003
8,4699	5,1702e-002	1,3598e-003
8,4801	5,2839e-002	1,3674e-003
8,4903	5,1867e-002	1,2512e-003
8,5006	5,3213e-002	1,2247e-003

	5,4177e-002	1,1281e-003
8,5211	5,6918e-002	9,8195e-004
8,5314	5,6106e-002	1,1052e-003
8,5417	5,5477e-002	1,03e-003
8,552	5,3939e-002	1,2365e-003
8,5622	5,4984e-002	1,2023e-003
8,5725	5,6075e-002	1,0628e-003
8,5828	5,9928e-002	1,0526e-003
8,5931	5,7107e-002	1,0161e-003
8,6033	5,7327e-002	1,12e-003
8,6136	5,7112e-002	1,204e-003
8,6239	5,6743e-002	1,2109e-003
8,6342	5,8536e-002	1,1118e-003
8,6445	6,1374e-002	1,1067e-003
8,6547	5,9944e-002	1,0938e-003
8,665	5,9513e-002	1,1874e-003
8,6753	5,9145e-002	1,2521e-003
8,6856	5,9111e-002	1,2391e-003
8,6959	6,0504e-002	1,1747e-003
8,7062	6,213e-002	1,1641e-003
8,7165	6,339e-002	1,1847e-003
8,7267	6,217e-002	1,2105e-003
8,737	6,316e-002	1,295e-003
8,7473	6,5159e-002	1,3135e-003
8,7576	6,738e-002	1,2644e-003
8,7679	6,798e-002	1,2002e-003
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8,7884	6,7913e-002	1,1922e-003
8,7987	6,7584e-002	1,2396e-003
8,809	6,7755e-002	1,2889e-003
8,8193	7,0176e-002	1,2725e-003
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8,8398	7,1745e-002	1,2291e-003
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8,8604	7,3463e-002	1,2366e-003
8,8707	7,3881e-002	1,2641e-003
8,881	7,4374e-002	1,307e-003
8,8913	7,4892e-002	1,325e-003
8,9016	7,5937e-002	1,3301e-003
8,9118	7,6088e-002	1,306e-003
8,9221	7,7284e-002	1,3111e-003
8,9324	7,7532e-002	1,3056e-003
8,9427	7,7681e-002	1,3564e-003
8,953	7,8326e-002	1,3807e-003
8,9633	7,8741e-002	1,3934e-003
8,9736	7,96e-002	1,3928e-003
8,9839	8,0861e-002	1,4073e-003
8,9942	8,2286e-002	1,4025e-003
9,	8,256e-002	1,4252e-003
9,0103	8,3863e-002	1,4361e-003
9,0206	8,5612e-002	1,4222e-003
9,0309	8,3287e-002	1,3842e-003
9,0412	7,7516e-002	1,4119e-003
9,0515	7,7501e-002	1,4177e-003
9,0618	7,7407e-002	1,4124e-003
9,0722	7,7657e-002	1,4672e-003
9,0825	7,8847e-002	1,4568e-003
9,0928	8,1101e-002	1,452e-003
9,1031	8,1346e-002	1,487e-003
9,1135	8,1428e-002	1,5058e-003
9,1238	8,1516e-002	1,5219e-003
9,1341	8,1564e-002	1,5305e-003
9,1444	8,1482e-002	1,5409e-003
9,1548	7,1647e-002	1,5544e-003
9,1651	7,2601e-002	1,5602e-003
9,1754	7,2441e-002	1,5636e-003
9,1858	7,3413e-002	1,5599e-003
9,1961	7,3648e-002	1,5648e-003
9,2064	7,4402e-002	1,5298e-003
9,2168	7,4767e-002	1,5456e-003
9,2271	7,5335e-002	1,5415e-003
9,2375	7,6185e-002	1,5373e-003
9,2478	7,5882e-002	1,5861e-003
9,2581	7,6061e-002	1,6116e-003
9,2685	7,6785e-002	1,6119e-003
9,2788	7,689e-002	1,6156e-003
9,2892	7,7111e-002	1,6257e-003
9,2995	7,7501e-002	1,6282e-003
9,3093	6,6258e-002	1,8238e-003
9,3196	6,6663e-002	1,7916e-003
9,3299	6,6205e-002	1,8215e-003
9,3403	6,6708e-002	1,7183e-003
9,3506	6,7097e-002	1,7006e-003
9,361	6,7193e-002	1,6649e-003
9,3713	6,7745e-002	1,5874e-003
9,3817	6,8275e-002	1,5999e-003
9,392	6,8695e-002	1,6378e-003

	6,9219e-002	1,6504e-003
9,4127	6,9575e-002	1,5746e-003
9,4231	7,0012e-002	1,6095e-003
9,4334	7,0603e-002	1,5519e-003
9,4438	7,0837e-002	1,6067e-003
9,4541	7,1399e-002	1,6199e-003
9,4645	7,1696e-002	1,6586e-003
9,4748	7,2239e-002	1,6003e-003
9,4852	7,2714e-002	1,6032e-003
9,4955	7,3242e-002	1,5871e-003
9,5059	7,4619e-002	1,6238e-003
9,5163	7,4854e-002	1,6346e-003
9,5266	7,5185e-002	1,6837e-003
9,537	6,2856e-002	1,5273e-003
9,5473	6,3385e-002	1,5893e-003
9,5576	6,3729e-002	1,5301e-003
9,568	6,417e-002	1,5551e-003
9,5783	6,4869e-002	1,5039e-003
9,5886	6,5051e-002	1,578e-003
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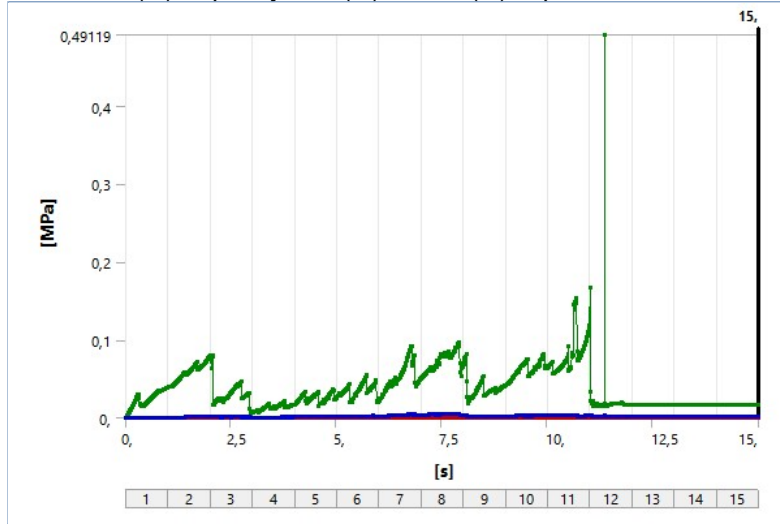
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13,908		8,2076e-004
13,918		8,2071e-004
13,928		8,2072e-004
13,938		8,2076e-004
13,948		
13,958		8,2072e-004
13,968		8,2075e-004
13,979		8,2073e-004
13,989		8,2074e-004
13,999		8,2075e-004
14,		8,2074e-004
14,01		
14,02		
14,03		
14,04		8,2075e-004
14,05		
14,061		
14,071		
14,081		
14,091		
14,101		8,2076e-004
14,111		
14,121		
14,131		
14,141		
14,151		
14,161		
14,172		
14,182		
14,192		
14,202		
14,212		
14,222		
14,232		8,2077e-004
14,242		
14,252	3,8837e-002	
14,262		
14,272		
14,282		
14,293		
14,303		
14,313		
14,323		
14,333		
14,343		
14,353		
14,363		
14,373		
14,383		
14,393		
14,404		
14,414		
14,424		
14,434		
14,444		
14,454		8,2078e-004
14,464		
14,474		
14,484		
14,494		
14,504		
14,514		
14,525		
14,535		
14,545		
14,555		
14,565		
14,575		8,2079e-004
14,585		8,2078e-004
14,595		
14,605		
14,615		
14,625		
14,635		
14,646		
14,656		

14,666	
14,676	
14,686	
14,696	
14,706	8,2079e-004
14,716	
14,726	
14,736	
14,746	
14,756	
14,767	
14,777	8,208e-004
14,787	8,2079e-004
14,797	
14,807	
14,817	
14,827	
14,837	
14,847	
14,857	
14,867	
14,877	
14,887	8,208e-004
14,898	
14,908	
14,918	
14,928	
14,938	
14,948	
14,958	
14,968	
14,978	
14,988	
14,998	8,2081e-004
15,	

0,

**FIGURE 50**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Equivalent Stress PIEL



**TABLE 44**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Equivalent Stress PIEL

Time [s]	Minimum [MPa]	Maximum [MPa]	Average [MPa]
1,1755e-038	0,	0,	0,
1,0443e-002		7,3639e-004	4,9982e-006
2,0904e-002		1,7072e-003	1,185e-005
3,1366e-002		2,6632e-003	1,8866e-005
4,1827e-002		3,6085e-003	2,6081e-005
5,2289e-002		4,5483e-003	3,3367e-005
6,275e-002		5,4833e-003	4,0777e-005
7,3211e-002		6,4185e-003	4,8409e-005
8,3672e-002		7,3583e-003	5,627e-005
9,4132e-002		8,3057e-003	6,4521e-005
0,10459	0,	9,2643e-003	7,2989e-005
0,11505		1,0237e-002	8,1825e-005
0,12551		1,1226e-002	9,1069e-005
0,13597		1,2235e-002	1,0074e-004
0,14643		1,3264e-002	1,1076e-004
0,15689		1,4315e-002	1,2126e-004
0,16735		1,539e-002	1,322e-004
0,17781		1,6488e-002	1,4355e-004
0,18826		1,761e-002	1,5548e-004
0,19872		1,8756e-002	1,6786e-004
0,20918		1,9925e-002	1,8079e-004
0,21963	6,644e-009	2,1118e-002	1,9423e-004
0,23009	3,8114e-008	2,2332e-002	2,0823e-004
0,24054	3,7643e-008	2,3567e-002	2,2286e-004
0,25099	6,4244e-008	2,4821e-002	2,3805e-004
0,26145	1,6962e-008	2,6089e-002	2,54e-004
0,2719	6,8225e-008	2,7359e-002	2,7082e-004
0,28235	2,462e-007	2,8594e-002	2,8916e-004
0,2928	2,0571e-007	2,9647e-002	3,1098e-004
0,30326	5,0648e-009	2,9683e-002	3,4476e-004
0,31371	4,4453e-008	2,4653e-002	3,8348e-004
0,32417	1,5093e-006	1,7752e-002	3,0322e-004
0,33464	1,6266e-006	1,7005e-002	2,6971e-004
0,3451	2,214e-006	1,6509e-002	2,7134e-004
0,35556	2,0743e-006	1,5273e-002	2,7403e-004
0,36602	4,0365e-006	1,5494e-002	2,8628e-004
0,37648	3,6069e-006	1,5675e-002	2,713e-004
0,38694	3,9739e-006	1,5809e-002	2,6722e-004
0,3974	1,4393e-006	1,5616e-002	2,6346e-004
0,40786	1,3054e-006	1,5558e-002	2,7858e-004
0,41832	2,9497e-006	1,5721e-002	2,8068e-004
0,42878	1,8887e-006	1,5833e-002	2,7251e-004
0,43924	1,7446e-006	1,6219e-002	2,7263e-004
0,4497	3,522e-006	1,6776e-002	2,8406e-004
0,46016	8,2719e-007	1,7355e-002	2,8178e-004
0,47062	3,126e-006	1,7933e-002	2,8244e-004
0,48108	1,1713e-006	1,8509e-002	2,8468e-004
0,49154	1,3612e-006	1,9091e-002	2,9296e-004
0,502	7,0704e-007	1,9658e-002	2,942e-004
0,51246	1,7207e-006	2,0232e-002	2,9487e-004
0,52292	1,1094e-006	2,0819e-002	2,9941e-004
0,53337	4,1186e-006	2,1377e-002	3,0249e-004
0,54383	1,881e-006	2,1958e-002	3,0716e-004
0,55429	2,2646e-006	2,2537e-002	3,1011e-004
0,56475	1,6341e-006	2,3099e-002	3,1017e-004
0,57521	1,3706e-006	2,3693e-002	3,1643e-004

0,58567	1,2712e-006	2,4263e-002	3,228e-004
0,59613	1,0142e-006	2,4834e-002	3,2319e-004
0,60658	2,515e-006	2,5422e-002	3,242e-004
0,61704	8,6891e-007	2,6014e-002	3,3363e-004
0,6275	9,7957e-007	2,66e-002	3,4202e-004
0,63796	9,8221e-007	2,7181e-002	3,447e-004
0,64842	9,5291e-007	2,7761e-002	3,4972e-004
0,65887	1,1124e-006	2,8331e-002	3,5591e-004
0,66933	1,31e-006	2,8888e-002	3,6434e-004
0,67979	6,5308e-007	2,9455e-002	3,7505e-004
0,69025	5,5695e-007	3,0017e-002	3,8118e-004
0,70071	8,1466e-007	3,0572e-002	3,8579e-004
0,71117	1,1522e-006	3,114e-002	3,943e-004
0,72162	6,6378e-007	3,1652e-002	4,0339e-004
0,73208	8,6321e-007	3,2176e-002	4,1082e-004
0,74254	7,2373e-007	3,2726e-002	4,1909e-004
0,753	2,1801e-006	3,3291e-002	4,2962e-004
0,76346	1,074e-006	3,3732e-002	4,3283e-004
0,77392	1,2208e-006	3,4106e-002	4,3732e-004
0,78438	9,7084e-007	3,4461e-002	4,4566e-004
0,79484	1,253e-006	3,4793e-002	4,5218e-004
0,80529	1,9169e-006	3,4614e-002	4,3094e-004
0,81575	2,1069e-006	3,4134e-002	4,452e-004
0,82621	3,04e-006	3,425e-002	4,5487e-004
0,83667	3,742e-006	3,452e-002	4,58e-004
0,84713	2,4692e-006	3,4836e-002	4,608e-004
0,85759	1,5283e-006	3,5093e-002	4,674e-004
0,86805	2,921e-006	3,5397e-002	4,7294e-004
0,8785	2,0927e-006	3,5682e-002	4,8232e-004
0,88896	1,0145e-006	3,5999e-002	4,9024e-004
0,89942	2,467e-006	3,6293e-002	4,9559e-004
0,90988	2,595e-006	3,659e-002	5,0343e-004
0,92033	1,8493e-006	3,6889e-002	5,1175e-004
0,93079	1,2393e-006	3,7205e-002	5,1861e-004
0,94124	1,4803e-006	3,7513e-002	5,2758e-004
0,9517	2,2092e-006	3,7815e-002	5,3655e-004
0,96216	3,0972e-006	3,8117e-002	5,4403e-004
0,97261	2,0642e-006	3,8424e-002	5,5191e-004
0,98307	1,1187e-006	3,875e-002	5,6088e-004
0,99352	1,7153e-006	3,9052e-002	5,7054e-004
1,	9,7231e-007	3,9251e-002	5,7619e-004
1,0105	1,0697e-006	3,9498e-002	5,8056e-004
1,0209	2,3526e-006	3,9677e-002	5,8629e-004
1,0314	3,8916e-006	3,985e-002	5,9281e-004
1,0418	2,6334e-006	4,0006e-002	5,9756e-004
1,0523	2,4406e-006	4,0164e-002	6,0269e-004
1,0627	1,2969e-006	4,0312e-002	6,0878e-004
1,0732	2,0181e-006	4,0447e-002	6,1352e-004
1,0836	3,1235e-006	4,058e-002	6,1878e-004
1,0941	4,0848e-006	4,0709e-002	6,2592e-004
1,1045	1,2915e-006	4,0483e-002	6,3078e-004
1,115	2,3651e-006	4,0899e-002	6,3593e-004
1,1255	3,204e-006	4,1423e-002	6,4137e-004
1,1359	3,4806e-006	4,1974e-002	6,4731e-004
1,1464	2,6651e-006	4,2539e-002	6,5237e-004
1,1568	2,822e-006	4,3088e-002	6,5928e-004
1,1673	2,4932e-006	4,3645e-002	6,6555e-004
1,1777	2,7203e-006	4,4242e-002	6,7079e-004
1,1882	4,0663e-006	4,484e-002	6,7627e-004
1,1986	3,3967e-006	4,5432e-002	6,8319e-004
1,2091	2,594e-006	4,6047e-002	6,8965e-004
1,2195	2,9575e-006	4,6669e-002	6,9633e-004
1,23	4,3408e-006	4,7278e-002	7,0097e-004
1,2404	4,2276e-006	4,7895e-002	7,0708e-004
1,2509	4,041e-006	4,8545e-002	7,1341e-004
1,2613	3,454e-006	4,9199e-002	7,2033e-004
1,2718	4,7975e-006	4,9882e-002	7,2715e-004
1,2823	5,0642e-006	5,0574e-002	7,336e-004
1,2927	4,5046e-006	5,1279e-002	7,406e-004
1,3032	4,064e-006	5,2009e-002	7,4735e-004
1,3136	2,8945e-006	5,2743e-002	7,5421e-004
1,3241	3,3488e-006	5,3486e-002	7,6159e-004
1,3345	4,8178e-006	5,4249e-002	7,6925e-004
1,345	5,3065e-006	5,504e-002	7,7614e-004
1,3554	4,3729e-006	5,5838e-002	7,8382e-004
1,3659	3,6661e-006	5,6579e-002	7,8953e-004
1,3763	5,3771e-006	5,6937e-002	7,9908e-004
1,3868	4,6127e-006	5,7281e-002	8,1096e-004
1,3972	5,1195e-006	5,774e-002	8,2389e-004
1,4077	3,8205e-006	5,8116e-002	8,3574e-004
1,4181	5,4967e-006	5,8653e-002	8,4754e-004
1,4286	3,2848e-006	5,9028e-002	8,621e-004
1,439	4,9947e-006	5,4592e-002	8,5405e-004
1,4495	8,5094e-006	5,5559e-002	8,5819e-004
1,4599	3,5867e-006	5,6349e-002	8,6812e-004
1,4704	8,3925e-006	5,7085e-002	8,7809e-004
1,4808	4,7682e-006	5,7963e-002	8,8372e-004

	4,338e-006	5,8787e-002	8,9221e-004
1,5017	5,1999e-006	5,9235e-002	9,0768e-004
1,5122	5,7763e-006	5,987e-002	9,2167e-004
1,5226	7,0911e-006	6,0397e-002	9,3512e-004
1,5331	7,3406e-006	6,0845e-002	9,4762e-004
1,5435	2,8422e-006	6,1549e-002	9,5921e-004
1,554	6,7062e-006	6,2056e-002	9,751e-004
1,5644	4,3267e-006	6,2603e-002	9,8817e-004
1,5749	4,0195e-006	6,3219e-002	1,0039e-003
1,5853	6,7401e-006	6,3806e-002	1,0197e-003
1,5958	4,5214e-006	6,4475e-002	1,0319e-003
1,6062	4,9607e-006	6,5173e-002	1,0458e-003
1,6167	3,6618e-006	6,5907e-002	1,0675e-003
1,6271	5,0256e-006	6,7086e-002	1,0876e-003
1,6376	5,1807e-006	6,768e-002	1,102e-003
1,648	4,9611e-006	6,8631e-002	1,1162e-003
1,6585	7,9897e-006	6,941e-002	1,1314e-003
1,669	9,2173e-006	7,0164e-002	1,1462e-003
1,6794	7,9051e-006	7,0983e-002	1,1627e-003
1,6899	8,3587e-006	7,1794e-002	1,1815e-003
1,7003	1,0119e-005	7,2572e-002	1,1982e-003
1,7108	4,6375e-006	6,1167e-002	1,1681e-003
1,7212	4,6929e-006	6,1894e-002	1,1885e-003
1,7317	1,2571e-005	6,2476e-002	1,1905e-003
1,7421	1,003e-005	6,2932e-002	1,2024e-003
1,7526	4,1753e-006	6,3469e-002	1,2198e-003
1,763	8,9443e-006	6,4061e-002	1,2364e-003
1,7735	2,0022e-005	6,4581e-002	1,2526e-003
1,7839	4,3219e-006	6,4806e-002	1,2682e-003
1,7944	4,5259e-006	6,5555e-002	1,2748e-003
1,8048	5,7512e-006	6,6382e-002	1,2862e-003
1,8153	2,6787e-005	6,6738e-002	1,3173e-003
1,8257	5,7399e-006	6,7127e-002	1,3301e-003
1,8362	3,263e-006	6,7544e-002	1,3429e-003
1,8466	3,2026e-006	6,7862e-002	1,3594e-003
1,8571	4,4349e-006	6,8604e-002	1,3697e-003
1,8675	8,3448e-006	6,9529e-002	1,3841e-003
1,878	9,8501e-006	7,0247e-002	1,3997e-003
1,8885	6,2404e-006	7,1049e-002	1,4103e-003
1,8989	9,0915e-006	7,2042e-002	1,4121e-003
1,9094	4,5933e-006	7,3024e-002	1,4177e-003
1,9198	3,0137e-006	7,3894e-002	1,4267e-003
1,9303	9,2716e-006	7,5054e-002	1,4391e-003
1,9407	9,4924e-006	7,5842e-002	1,4563e-003
1,9512	1,2645e-005	7,6539e-002	1,4692e-003
1,9616	1,0542e-005	7,7658e-002	1,472e-003
1,9721	8,2287e-006	7,8415e-002	1,478e-003
1,9825	7,9384e-006	7,9208e-002	1,4912e-003
1,993	1,0216e-005	8,0347e-002	1,5047e-003
2,	8,5644e-006	8,096e-002	1,5075e-003
2,0105	1,074e-005	8,0624e-002	1,5148e-003
2,0209	9,3147e-006	7,8349e-002	1,5204e-003
2,0313	3,2988e-005	6,3832e-002	1,542e-003
2,0417	2,2641e-005	7,1519e-002	1,3525e-003
2,0521	3,169e-005	7,469e-002	1,4573e-003
2,0625	3,809e-005	8,0321e-002	1,4281e-003
2,0729	5,5213e-006	7,8861e-002	1,4285e-003
2,0833	1,6993e-005	1,6945e-002	1,1349e-003
2,0937	5,4478e-005	1,6873e-002	1,0033e-003
2,1041	4,7628e-005	1,8812e-002	9,4294e-004
2,1145	6,5406e-005	1,9682e-002	9,1991e-004
2,1249	2,4946e-005	1,9476e-002	9,4709e-004
2,1353	1,938e-005	2,1089e-002	9,3399e-004
2,1457	2,2451e-005	2,1455e-002	9,5948e-004
2,1562	1,0801e-005	2,2643e-002	8,4464e-004
2,1666	3,9893e-005	2,2604e-002	9,5188e-004
2,177	1,6114e-005	2,375e-002	9,0868e-004
2,1874	4,5626e-005	2,5128e-002	9,1705e-004
2,1978	1,6963e-005	2,5716e-002	8,4519e-004
2,2082	1,1316e-005	2,3297e-002	9,0257e-004
2,2186	2,6645e-005	2,3234e-002	9,3225e-004
2,229	1,4707e-005	2,4284e-002	8,5744e-004
2,2394	1,6004e-005	2,5097e-002	8,2095e-004
2,2499	2,7669e-005	2,4699e-002	8,733e-004
2,2603	2,3543e-005	2,0925e-002	9,6112e-004
2,2707	2,3903e-005	2,1049e-002	9,125e-004
2,2811	1,0335e-005	2,1597e-002	8,2643e-004
2,2915	1,8392e-005	2,1204e-002	8,4404e-004
2,3019	2,4296e-005	2,0814e-002	8,5825e-004
2,3123	9,876e-006	2,1814e-002	8,8535e-004
2,3227	1,691e-005	2,2496e-002	8,6736e-004
2,3331	4,2093e-006	2,2984e-002	8,8131e-004
2,3435	1,9616e-005	2,3881e-002	8,5675e-004
2,3539	2,0218e-005	2,501e-002	8,3867e-004
2,3643	1,4023e-005	2,5883e-002	8,8581e-004
2,3747	6,1454e-006	2,437e-002	8,6431e-004
2,3851	1,3649e-005	2,5073e-002	8,8948e-004

	1,2251e-005	2,5838e-002	8,7041e-004
2,4059	1,5085e-005	2,6203e-002	8,7896e-004
2,4163	4,1115e-006	2,6612e-002	8,9734e-004
2,4267	3,5708e-006	2,7313e-002	8,6666e-004
2,4371	1,4995e-005	2,8145e-002	8,6489e-004
2,4475	6,0768e-006	2,8651e-002	8,6551e-004
2,4579	1,5695e-005	2,9823e-002	8,7069e-004
2,4684	5,2253e-006	3,0166e-002	8,9092e-004
2,4788	8,1019e-006	3,1353e-002	8,5232e-004
2,4892	4,9985e-006	3,2132e-002	8,3152e-004
2,4996	1,6588e-005	3,2657e-002	8,4552e-004
2,51	7,4874e-006	3,3165e-002	8,7583e-004
2,5204	4,518e-006	3,3972e-002	8,9861e-004
2,5308	2,7799e-006	3,467e-002	8,8012e-004
2,5412	1,0033e-005	3,5476e-002	8,7153e-004
2,5516	4,2884e-006	3,6215e-002	8,6904e-004
2,562	3,5436e-006	3,6878e-002	8,731e-004
2,5724	6,309e-006	3,7344e-002	9,2136e-004
2,5828	7,1956e-006	3,8073e-002	9,2412e-004
2,5932	8,1904e-006	3,9032e-002	9,1751e-004
2,6036	8,2567e-006	3,9857e-002	9,0111e-004
2,614	4,6873e-006	4,0458e-002	9,051e-004
2,6244	7,0186e-006	4,1016e-002	9,5107e-004
2,6348	7,138e-006	4,1857e-002	9,3674e-004
2,6452	8,9692e-006	4,2837e-002	9,4427e-004
2,6556	8,2383e-006	4,0239e-002	9,1297e-004
2,666	4,57e-006	4,0937e-002	9,1763e-004
2,6764	4,5557e-006	4,1732e-002	9,1552e-004
2,6868	1,2201e-005	4,2468e-002	9,2514e-004
2,6972	7,4537e-006	4,3091e-002	9,5053e-004
2,7076	3,0513e-006	4,3829e-002	9,657e-004
2,718	6,519e-006	4,4553e-002	9,7008e-004
2,7284	4,6441e-006	4,5319e-002	9,7147e-004
2,7388	5,1636e-006	4,6004e-002	9,728e-004
2,7492	4,1997e-006	4,6664e-002	9,7953e-004
2,7596	4,9614e-006	2,5609e-002	7,8903e-004
2,77	1,4884e-005	2,5383e-002	8,6158e-004
2,7804	2,0641e-005	2,5471e-002	9,0476e-004
2,7908	8,5213e-006	2,5824e-002	9,1355e-004
2,8012	1,7677e-005	2,6851e-002	8,692e-004
2,8116	7,4926e-006	2,7415e-002	8,3301e-004
2,822	1,0386e-005	2,7496e-002	8,4211e-004
2,8324	1,0051e-005	2,7688e-002	9,0399e-004
2,8428	8,9983e-006	2,8299e-002	9,0614e-004
2,8532	5,2353e-006	2,8886e-002	8,9094e-004
2,8636	4,6771e-006	2,9098e-002	8,6848e-004
2,874	1,3848e-005	2,9949e-002	8,3095e-004
2,8844	1,3975e-005	3,0107e-002	8,4628e-004
2,8948	1,415e-005	3,0601e-002	8,4446e-004
2,9052	1,2688e-005	3,0857e-002	8,8408e-004
2,9156	1,5071e-005	3,1364e-002	8,7664e-004
2,926	7,0422e-006	3,1938e-002	8,7332e-004
2,9364	8,4143e-006	3,2437e-002	8,5446e-004
2,9468	3,6827e-006	1,1852e-002	5,9563e-004
2,9572	4,8756e-005	5,7898e-003	7,9399e-004
2,9676	7,6087e-005	6,9347e-003	7,6098e-004
2,978	6,9761e-005	6,3078e-003	6,9143e-004
2,9884	3,1475e-005	5,9407e-003	6,8742e-004
2,9987	4,3693e-005	7,3183e-003	6,213e-004
3,	3,1865e-005	7,232e-003	5,0634e-004
3,0104	2,5477e-005	7,0582e-003	5,5462e-004
3,0208	2,9277e-005	7,881e-003	4,8423e-004
3,0312	4,9262e-005	7,4041e-003	6,0994e-004
3,0416	2,1377e-005	8,1516e-003	5,5434e-004
3,052	2,785e-005	8,577e-003	5,287e-004
3,0624	2,3416e-005	8,6703e-003	4,2962e-004
3,0728	1,6072e-005	8,6335e-003	5,0248e-004
3,0832	1,8601e-005	8,5175e-003	5,1477e-004
3,0936	1,9911e-005	9,0059e-003	4,8665e-004
3,104	1,9733e-005	9,6881e-003	4,192e-004
3,1145	1,3381e-005	9,9154e-003	4,4543e-004
3,1249	1,0482e-005	9,6196e-003	5,0993e-004
3,1353	2,9753e-005	1,0027e-002	5,2224e-004
3,1457	2,4116e-005	1,0275e-002	4,8679e-004
3,1561	1,9289e-005	7,4266e-003	4,1728e-004
3,1665	1,659e-005	7,5228e-003	4,5885e-004
3,1769	2,827e-005	7,6428e-003	5,329e-004
3,1873	9,8603e-006	8,0847e-003	4,7706e-004
3,1977	9,91e-006	9,209e-003	4,0742e-004
3,2081	1,5486e-005	9,6621e-003	4,8713e-004
3,2185	1,0822e-005	9,6447e-003	4,7197e-004
3,2289	1,5425e-005	1,013e-002	5,6597e-004
3,2393	8,7352e-006	1,084e-002	5,2881e-004
3,2497	7,2651e-006	1,1602e-002	5,0946e-004
3,2601	9,565e-006	1,1585e-002	5,4107e-004
3,2705	6,5469e-006	1,2028e-002	5,8153e-004
3,2809	8,2801e-006	1,2697e-002	5,7065e-004

	8,7588e-006	1,3492e-002	5,8207e-004
3,3017	5,7921e-006	1,3751e-002	6,3407e-004
3,3121	1,6376e-005	1,3971e-002	6,5453e-004
3,3225	5,5606e-006	1,458e-002	6,4226e-004
3,3329	3,317e-006	1,5371e-002	6,1649e-004
3,3433	5,9828e-006	1,5711e-002	6,5664e-004
3,3536	2,7226e-005	1,5891e-002	7,0758e-004
3,364	6,1506e-006	1,6416e-002	7,4296e-004
3,3744	9,6982e-006	1,7113e-002	7,1355e-004
3,3848	2,8374e-006	1,766e-002	6,9825e-004
3,3952	7,139e-006	1,7874e-002	7,4214e-004
3,4056	2,8064e-006	1,8295e-002	7,5585e-004
3,4159	6,0065e-006	1,3459e-002	5,87e-004
3,4263	1,4055e-005	1,1207e-002	6,7818e-004
3,4367	2,3927e-005	1,2084e-002	7,577e-004
3,4471	2,4235e-005	1,2401e-002	7,2642e-004
3,4575	1,8233e-005		5,9075e-004
3,4679	1,8877e-005	1,293e-002	6,1354e-004
3,4783	2,1461e-005	1,3291e-002	5,7055e-004
3,4887	1,3308e-005	1,3017e-002	7,0646e-004
3,4991	1,4676e-005	1,3568e-002	6,8436e-004
3,5095	1,2642e-005	1,4027e-002	5,8961e-004
3,5199	2,7272e-006	1,4299e-002	6,2564e-004
3,5303	1,0228e-005	1,4554e-002	5,7209e-004
3,5406	7,9342e-006	1,1326e-002	6,5506e-004
3,551	2,1372e-005	1,2139e-002	6,3941e-004
3,5614	1,1783e-005	1,2988e-002	6,559e-004
3,5718	1,835e-005	1,3264e-002	6,7363e-004
3,5822	7,4424e-006	1,3186e-002	6,8504e-004
3,5926	9,0144e-006	1,4071e-002	6,7088e-004
3,603	1,5768e-005	1,4682e-002	6,8321e-004
3,6134	7,912e-006	1,5111e-002	6,7562e-004
3,6237	8,164e-006	1,5028e-002	7,3913e-004
3,6341	1,2599e-005	1,5699e-002	7,6295e-004
3,6445	9,0305e-006	1,6505e-002	7,2294e-004
3,6549	1,0445e-005	1,668e-002	7,4587e-004
3,6653	3,8451e-006	1,6848e-002	7,6632e-004
3,6756	4,21e-006	1,7477e-002	7,7208e-004
3,686	6,5583e-006	1,8136e-002	7,9585e-004
3,6964	7,498e-006	1,8393e-002	8,2389e-004
3,7068	1,2436e-005	1,8581e-002	8,49e-004
3,7171	7,7112e-006	1,9071e-002	8,4029e-004
3,7275	2,8369e-006	1,9782e-002	8,2115e-004
3,7379	3,0976e-006	2,0064e-002	8,5296e-004
3,7482	1,1071e-005	2,0357e-002	8,9675e-004
3,7586	3,2366e-006	2,0831e-002	9,2106e-004
3,769	1,8712e-005	2,1119e-002	9,1839e-004
3,7793	1,2803e-005	1,4004e-002	7,3352e-004
3,7897	2,3989e-005	1,4183e-002	7,5991e-004
3,8001	2,402e-005	1,4577e-002	7,1192e-004
3,8105	1,7413e-005	1,4536e-002	7,7631e-004
3,8209	1,948e-005	1,4754e-002	8,4114e-004
3,8313	1,6675e-005	1,5185e-002	7,8348e-004
3,8416	1,0998e-005	1,543e-002	7,3965e-004
3,852	1,6594e-005	1,3994e-002	7,2111e-004
3,8624	2,8691e-005	1,4539e-002	8,0005e-004
3,8728	2,0613e-005	1,4866e-002	8,2597e-004
3,8831	1,3972e-005	1,5154e-002	8,1991e-004
3,8935	3,3065e-005	1,5235e-002	7,7449e-004
3,9039	4,4697e-006	1,5719e-002	8,1131e-004
3,9143	6,3573e-006	1,5605e-002	7,9299e-004
3,9246	1,399e-005	1,5921e-002	8,5325e-004
3,935	4,6602e-006	1,6015e-002	8,2697e-004
3,9454	1,9098e-005	1,6334e-002	8,1808e-004
3,9558	2,1463e-005	1,6466e-002	8,6649e-004
3,9661	4,0313e-006	1,6581e-002	8,5103e-004
3,9765	6,4464e-006	1,6749e-002	8,802e-004
3,9869	4,1927e-006	1,6881e-002	8,5754e-004
3,9973	1,262e-005	1,7072e-002	8,6602e-004
4,	1,2151e-005	1,7111e-002	9,0438e-004
4,0104	4,7015e-006	1,7319e-002	9,0182e-004
4,0207	5,5738e-006	1,7505e-002	9,1645e-004
4,0311	4,4874e-006	1,8479e-002	9,0748e-004
4,0415	6,4517e-006	1,9087e-002	9,4575e-004
4,0518	2,8467e-005	1,9544e-002	1,0059e-003
4,0622	1,1165e-005	1,9948e-002	1,0336e-003
4,0726	1,3357e-005	2,086e-002	1,0229e-003
4,0829	2,374e-006	2,1561e-002	1,0273e-003
4,0933	5,7861e-006	2,2226e-002	1,0533e-003
4,1036	5,3893e-006	2,2687e-002	1,1162e-003
4,1139	1,4987e-005	2,2846e-002	1,1669e-003
4,1242	1,2586e-005	2,4268e-002	1,1667e-003
4,1346	6,7178e-006	2,4895e-002	1,1789e-003
4,1447	3,8829e-006	2,5371e-002	1,2063e-003
4,1551	8,5437e-006	2,6147e-002	1,2393e-003
4,1654	2,1426e-005	2,6894e-002	1,2871e-003
4,1758	2,6029e-005	2,7717e-002	1,3193e-003



4,186	1,1915e-005	2,8987e-002	1,3437e-003
4,1962	2,2632e-005	2,9013e-002	1,3903e-003
4,2065	2,9351e-005	2,9931e-002	1,3896e-003
4,2168	1,8399e-005	3,0814e-002	1,4202e-003
4,2272	2,4307e-005	3,1229e-002	1,4584e-003
4,2375	1,4184e-005	3,1835e-002	1,4969e-003
4,2479	2,8703e-005	3,2734e-002	1,5028e-003
4,2582	1,2057e-005	3,3527e-002	1,5071e-003
4,2681	9,1987e-006	2,2247e-002	1,0132e-003
4,2785	5,9073e-005	2,204e-002	1,3423e-003
4,2888	8,4513e-005	2,0839e-002	1,1792e-003
4,2991	6,1233e-005	1,8717e-002	1,2691e-003
4,3094	3,504e-005	2,0382e-002	1,2064e-003
4,3198	4,1244e-005	2,426e-002	1,1661e-003
4,3301	7,099e-005	2,1055e-002	1,2501e-003
4,3405	4,4642e-005	2,1966e-002	1,1777e-003
4,3508	2,4008e-005	2,2509e-002	1,175e-003
4,3612	3,1106e-005	2,4663e-002	1,1781e-003
4,3715	1,8409e-005	2,3449e-002	1,1971e-003
4,3819	2,7934e-005	2,3656e-002	1,2767e-003
4,3922	1,7583e-005	2,4336e-002	1,1891e-003
4,4026	9,731e-006	2,661e-002	1,0663e-003
4,4129	1,3898e-005	2,5478e-002	1,1883e-003
4,4233	1,2669e-005	2,5548e-002	1,2096e-003
4,4336	2,7463e-005	2,6738e-002	1,2463e-003
4,444	2,8602e-005	2,7638e-002	1,2419e-003
4,4543	7,4209e-006	2,7785e-002	1,2271e-003
4,4647	6,8457e-006	2,741e-002	1,2578e-003
4,475	6,1196e-006	2,8499e-002	1,2307e-003
4,4853	7,4621e-006	2,9284e-002	1,2274e-003
4,4957	4,5474e-005	2,9487e-002	1,303e-003
4,506	8,3676e-006	2,9293e-002	1,3526e-003
4,5164	1,0618e-005	3,0007e-002	1,3268e-003
4,5267	7,0399e-006	3,0865e-002	1,284e-003
4,537	4,729e-006	3,1683e-002	1,2587e-003
4,5474	6,7302e-006	3,1386e-002	1,3357e-003
4,5577	2,6039e-005	3,2073e-002	1,4005e-003
4,568	1,7537e-005	3,346e-002	1,4349e-003
4,5784	9,3257e-006	1,5819e-002	1,1105e-003
4,5887	1,6476e-005	1,8225e-002	9,8551e-004
4,5991	3,5887e-005	1,9097e-002	1,1088e-003
4,6095	3,8501e-005	1,8742e-002	9,7956e-004
4,6198	5,9169e-005	1,8544e-002	1,184e-003
4,6302	1,921e-005	1,9059e-002	1,2739e-003
4,6405	1,2102e-005	1,9075e-002	1,1998e-003
4,6509	9,5145e-006	1,841e-002	8,9554e-004
4,6613	2,6559e-005	1,7972e-002	1,0963e-003
4,6716	5,815e-005	1,938e-002	1,0998e-003
4,682	2,6641e-005	1,9133e-002	1,1677e-003
4,6923	2,6064e-005	2,0688e-002	1,2466e-003
4,7027	3,0437e-005	2,4049e-002	1,1161e-003
4,713	2,1531e-005	2,2546e-002	1,1976e-003
4,7234	2,483e-005	2,0257e-002	1,1835e-003
4,7337	3,8344e-005	2,1638e-002	1,1534e-003
4,744	3,3152e-005	2,5294e-002	1,117e-003
4,7544	2,9569e-005	2,4376e-002	1,2076e-003
4,7647	7,8237e-005	2,3124e-002	1,2935e-003
4,7751	2,8486e-005	2,4782e-002	1,1584e-003
4,7854	3,896e-005	2,7022e-002	1,1357e-003
4,7958	2,4777e-005	2,729e-002	1,1554e-003
4,8061	2,5541e-005	2,5687e-002	1,2943e-003
4,8165	7,8699e-005	2,7837e-002	1,3718e-003
4,8268	3,2584e-005	3,0268e-002	1,3164e-003
4,8372	1,4899e-005	3,115e-002	1,2303e-003
4,8475	8,8496e-006	3,008e-002	1,3272e-003
4,8579	8,4111e-006	3,104e-002	1,3306e-003
4,8682	3,0067e-005	3,3075e-002	1,4066e-003
4,8785	2,4654e-005	3,4062e-002	1,4515e-003
4,8889	6,9511e-006	3,4191e-002	1,4872e-003
4,8992	1,6014e-005	3,5064e-002	1,4374e-003
4,9096	1,2916e-005	3,6066e-002	1,4359e-003
4,9199	8,6305e-006	3,7301e-002	1,4734e-003
4,9302	5,3141e-005	3,5897e-002	1,5957e-003
4,9406	2,4026e-005	2,3151e-002	1,3606e-003
4,9509	2,3645e-005	2,2627e-002	1,4578e-003
4,9612	3,7887e-005	2,2763e-002	1,4332e-003
4,9716	3,3435e-005	2,4e-002	1,4098e-003
4,9819	2,8218e-005	2,6199e-002	1,4111e-003
4,9923	2,3948e-005	2,5278e-002	1,4964e-003
5,	5,1229e-005	2,6027e-002	1,4746e-003
5,0104	2,9252e-005	2,6367e-002	1,5228e-003
5,0207	2,5279e-005	2,8032e-002	1,4496e-003
5,031	2,7475e-005	2,8643e-002	1,5067e-003
5,0414	2,7122e-005	2,8268e-002	1,5561e-003
5,0517	2,5933e-005	2,9429e-002	1,5937e-003
5,0621	1,3001e-005	3,0029e-002	1,5996e-003
5,0724	1,4195e-005	3,1138e-002	1,5664e-003

	2,0152e-005	3,1301e-002	1,6314e-003
5,0931	2,5354e-005	2,8811e-002	1,6456e-003
5,1034	4,5693e-006	2,9554e-002	1,7012e-003
5,1138	3,765e-005	3,0544e-002	1,685e-003
5,1241	9,6507e-006	3,0526e-002	1,7249e-003
5,1344	7,4646e-006	3,1431e-002	1,6795e-003
5,1448	7,3432e-006	3,176e-002	1,7629e-003
5,1551	1,4593e-005	3,251e-002	1,7446e-003
5,1655	3,0988e-005	3,2933e-002	1,7904e-003
5,1758	2,0594e-005	3,3464e-002	1,7903e-003
5,1861	8,3629e-006	3,386e-002	1,8131e-003
5,1965	2,1219e-005	3,4624e-002	1,8123e-003
5,2068	1,2264e-005	3,5086e-002	1,8456e-003
5,2171	1,6631e-005	3,5621e-002	1,8671e-003
5,2275	3,7367e-005	3,6135e-002	1,894e-003
5,2378	3,1163e-005	3,6553e-002	1,9112e-003
5,2481	6,3469e-006	3,7649e-002	1,8968e-003
5,2584	5,0974e-005	3,8714e-002	1,9262e-003
5,2688	2,6366e-005	3,9934e-002	1,9263e-003
5,2791	2,3411e-005	4,0628e-002	1,9712e-003
5,2894	2,6082e-005	4,1496e-002	1,9786e-003
5,2997	1,6677e-005	4,2658e-002	1,9902e-003
5,3101	3,5224e-005	4,4069e-002	2,0047e-003
5,3204	3,0454e-005	2,0685e-002	1,7226e-003
5,3308	3,2009e-005	1,9781e-002	1,6389e-003
5,3411	3,3339e-005	2,1756e-002	1,4663e-003
5,3515	4,4012e-005	2,1443e-002	1,5454e-003
5,3618	3,1319e-005	2,0546e-002	1,6718e-003
5,3722	2,9452e-005	2,242e-002	1,7019e-003
5,3825	3,874e-005	2,3811e-002	1,6249e-003
5,3929	3,9881e-005	2,5364e-002	1,6288e-003
5,4033	3,37e-005	2,4509e-002	1,7035e-003
5,4136	4,213e-005	2,5746e-002	1,6625e-003
5,4239	1,0748e-005	2,7614e-002	1,7402e-003
5,4343	2,4113e-005	3,0018e-002	1,6827e-003
5,4447	1,9455e-005	2,8233e-002	1,8211e-003
5,455	1,4227e-005	2,8975e-002	1,7734e-003
5,4653	2,4997e-005	2,9866e-002	1,7717e-003
5,4757	1,3221e-005	3,2555e-002	1,7431e-003
5,486	2,8495e-005	3,2633e-002	1,8425e-003
5,4964	2,7783e-005	3,2581e-002	1,9221e-003
5,5067	2,0641e-005	3,3848e-002	1,914e-003
5,517	8,1692e-006	3,5632e-002	1,8423e-003
5,5274	1,7714e-005	3,629e-002	1,7649e-003
5,5377	1,7256e-005	3,6372e-002	1,8865e-003
5,548	3,2672e-005	3,7555e-002	1,92e-003
5,5583	3,5974e-005	3,8049e-002	2,0151e-003
5,5687	3,4763e-005	3,9747e-002	1,9642e-003
5,579	1,4052e-005	4,045e-002	1,883e-003
5,5893	1,6662e-005	4,1314e-002	1,8809e-003
5,5996	2,2673e-005	4,2685e-002	1,9437e-003
5,6099	2,8173e-005	4,3147e-002	2,0239e-003
5,6203	4,373e-005	4,4237e-002	2,0791e-003
5,6306	1,2574e-005	4,5675e-002	2,0178e-003
5,6409	1,2078e-005	4,6889e-002	2,0545e-003
5,6512	1,4975e-005	4,7348e-002	2,1087e-003
5,6615	5,1857e-005	4,8572e-002	2,1994e-003
5,6718	5,9617e-005	4,9382e-002	2,2492e-003
5,6822	2,3362e-005	5,122e-002	2,2164e-003
5,6925	4,8752e-006	5,1882e-002	2,2459e-003
5,7028	4,3635e-005	5,3505e-002	2,3109e-003
5,7131	3,3038e-005	5,4497e-002	2,4031e-003
5,7234	3,6014e-005	3,19e-002	1,9627e-003
5,7337	4,7423e-005	3,4007e-002	2,2725e-003
5,7441	3,1944e-005	3,46e-002	1,9799e-003
5,7544	5,6642e-005	3,2989e-002	2,2661e-003
5,7647	4,488e-005	3,5193e-002	2,2418e-003
5,7751	4,4324e-005	3,5977e-002	2,2268e-003
5,7854	2,1433e-005	3,6092e-002	2,0875e-003
5,7957	2,2666e-005	3,5654e-002	2,2558e-003
5,8061	4,0619e-005	3,7756e-002	2,3086e-003
5,8164	6,8782e-005	3,7744e-002	2,4067e-003
5,8268	3,3817e-005	3,8134e-002	2,3477e-003
5,8371	3,3645e-005	3,9249e-002	2,2936e-003
5,8474	2,7142e-005	3,9828e-002	2,3456e-003
5,8577	2,0269e-005	4,0157e-002	2,406e-003
5,8681	4,4504e-005	4,1098e-002	2,5089e-003
5,8784	1,5425e-005	4,1888e-002	2,4526e-003
5,8887	2,9366e-005	4,1946e-002	2,3663e-003
5,899	1,9405e-005	4,3346e-002	2,287e-003
5,9093	2,3072e-005	4,4271e-002	2,353e-003
5,9197	3,2188e-005	4,4839e-002	2,3589e-003
5,93	3,291e-005	4,6008e-002	2,3622e-003
5,9401	5,18e-005	4,9064e-002	2,3948e-003
5,9504	1,3163e-004	1,9529e-002	2,1327e-003
5,9607	1,1831e-004	1,9948e-002	1,9341e-003
5,9711	3,5969e-005	2,1248e-002	1,7308e-003

	5,688e-005	2,1075e-002	1,847e-003
5,9917	1,0156e-004	2,0562e-002	1,827e-003
6,	4,4033e-005	2,1553e-002	1,7938e-003
6,0103	8,2056e-005	2,2335e-002	2,0584e-003
6,0207	8,8472e-005	2,4491e-002	1,8509e-003
6,031	5,3738e-005	2,4171e-002	1,8122e-003
6,0414	3,6541e-005	2,5354e-002	1,8104e-003
6,0517	4,284e-005	2,5819e-002	1,8856e-003
6,062	9,9811e-006	2,5701e-002	2,1471e-003
6,0724	4,0944e-005	2,6932e-002	1,9621e-003
6,0827	2,3047e-005	2,8163e-002	2,0169e-003
6,093	2,1944e-005	3,0664e-002	1,8684e-003
6,1034	3,3954e-005	2,9825e-002	2,1399e-003
6,1137	5,0706e-005	3,0655e-002	2,2184e-003
6,124	1,5187e-005	3,0354e-002	2,2058e-003
6,1344	1,519e-005	3,4787e-002	2,0289e-003
6,1447	1,4951e-005	3,4263e-002	2,166e-003
6,155	5,2291e-005	3,4146e-002	2,2618e-003
6,1653	9,7394e-006	3,454e-002	2,3338e-003
6,1757	5,1948e-005	3,802e-002	2,2866e-003
6,186	1,2446e-005	3,7887e-002	2,3049e-003
6,1963	3,4063e-005	3,8578e-002	2,3269e-003
6,2067	1,7273e-005	3,9545e-002	2,4576e-003
6,217	2,0689e-005	4,097e-002	2,447e-003
6,2273	2,6493e-005	4,2222e-002	2,4499e-003
6,2376	8,7122e-006	4,349e-002	2,472e-003
6,248	4,3435e-005	4,3958e-002	2,5517e-003
6,2583	9,1311e-006	4,5192e-002	2,6301e-003
6,2686	4,9405e-005	4,6178e-002	2,6751e-003
6,2789	2,4242e-005	4,2206e-002	2,6427e-003
6,2892	5,6541e-006	3,9821e-002	2,5268e-003
6,2996	3,6973e-005	4,0585e-002	2,6264e-003
6,3099	6,1627e-005	4,0822e-002	2,7126e-003
6,3202	3,8722e-005	4,1678e-002	2,7729e-003
6,3305	2,253e-005	4,4277e-002	2,7504e-003
6,3409	2,0219e-005	4,4685e-002	2,7603e-003
6,3512	2,0282e-005	4,4942e-002	2,8706e-003
6,3615	4,915e-005	4,6543e-002	2,9497e-003
6,3719	4,6152e-005	4,7994e-002	2,9943e-003
6,3822	2,1932e-005	4,8902e-002	2,9567e-003
6,3925	1,9836e-005	4,9541e-002	3,0316e-003
6,4028	1,6004e-005	5,1919e-002	2,9664e-003
6,4132	7,0835e-005	4,6096e-002	3,1167e-003
6,4235	6,8018e-005	4,3916e-002	3,0581e-003
6,4338	4,2869e-005	4,6991e-002	3,0917e-003
6,4441	6,1317e-005	4,8231e-002	3,1659e-003
6,4545	3,755e-005	4,7946e-002	3,1757e-003
6,4648	4,263e-005	4,8794e-002	3,2522e-003
6,4751	2,5341e-005	5,0799e-002	3,2811e-003
6,4854	3,1315e-005	4,985e-002	3,2848e-003
6,4957	3,75e-005	4,9938e-002	3,318e-003
6,5061	3,987e-005	5,1556e-002	3,4044e-003
6,5164	2,5688e-005	5,3452e-002	3,4226e-003
6,5267	9,4911e-006	5,4497e-002	3,4769e-003
6,537	1,9456e-005	5,4442e-002	3,543e-003
6,5473	3,4186e-005	5,7104e-002	3,6082e-003
6,5576	2,9343e-005	5,7984e-002	3,6511e-003
6,568	1,9963e-005	5,8933e-002	3,6945e-003
6,5783	3,9361e-005	5,9806e-002	3,775e-003
6,5886	1,2962e-005	6,1434e-002	3,8089e-003
6,5989	2,9869e-005	6,2607e-002	3,8865e-003
6,6092	2,3925e-005	6,3839e-002	3,9324e-003
6,6195	2,6523e-005	6,5059e-002	3,5645e-003
6,6298	4,0408e-005	6,6431e-002	3,7335e-003
6,6401	2,2456e-005	6,9949e-002	3,7893e-003
6,6504	2,3263e-005	6,8652e-002	3,9471e-003
6,6607	3,8986e-005	7,3023e-002	3,9147e-003
6,671	2,8676e-005	7,499e-002	3,9326e-003
6,6813	2,1063e-005	7,6986e-002	3,9891e-003
6,6916	3,0503e-005	7,832e-002	4,1027e-003
6,7019	4,8717e-005	8,0113e-002	4,1995e-003
6,7121	3,9369e-005	8,1927e-002	4,1616e-003
6,7224	1,7823e-005	8,4646e-002	4,2424e-003
6,7327	2,764e-005	8,5527e-002	4,3197e-003
6,743	1,215e-005	8,6491e-002	4,4206e-003
6,7533	4,4375e-005	8,6943e-002	4,4114e-003
6,7636	4,5602e-005	9,0093e-002	4,4622e-003
6,7738	3,9504e-005	9,1196e-002	4,555e-003
6,7841	1,9917e-005	9,2621e-002	4,6337e-003
6,7944	6,0572e-005	6,6369e-002	4,2472e-003
6,8047	4,5644e-005	7,177e-002	4,2596e-003
6,815	2,6889e-005	7,3718e-002	4,1453e-003
6,8253	6,5215e-005	7,205e-002	4,4305e-003
6,8356	6,3674e-005	7,7384e-002	4,3909e-003
6,8459	7,1127e-005	7,987e-002	4,3562e-003
6,8562	7,8932e-005	8,0974e-002	4,4264e-003
6,8664	5,1107e-005	4,4824e-002	3,0752e-003

	1,0276e-004	4,1894e-002	3,5074e-003
6,8872	1,0647e-004	4,0689e-002	3,0052e-003
6,8975	1,4996e-004	4,129e-002	3,2768e-003
6,9079	8,6983e-005	4,3121e-002	3,1933e-003
6,9182	8,0879e-005	4,559e-002	3,2596e-003
6,9286	7,2842e-005	4,5266e-002	3,2123e-003
6,939	7,5632e-005	4,5871e-002	3,0574e-003
6,9493	5,4318e-005	4,4592e-002	3,1573e-003
6,9597	5,429e-005	4,6031e-002	3,0383e-003
6,9701	7,0903e-005	4,8341e-002	3,3495e-003
6,9805	2,8028e-005	4,9563e-002	3,1801e-003
6,9908	2,1343e-005	5,0226e-002	3,4067e-003
7,	3,3968e-005	5,1427e-002	3,2192e-003
7,0104	2,939e-005	5,0364e-002	3,4264e-003
7,0207	1,1805e-005	5,1774e-002	3,3826e-003
7,0311	3,0089e-005	5,2438e-002	3,5328e-003
7,0415	1,4396e-005	5,3528e-002	3,4233e-003
7,0518	2,9462e-005	5,2869e-002	3,5514e-003
7,0622	1,6108e-005	5,3464e-002	3,6173e-003
7,0726	1,0849e-005	5,4194e-002	3,6103e-003
7,0829	3,4803e-005	5,4624e-002	3,6734e-003
7,0933	3,0026e-005	5,4917e-002	3,6869e-003
7,1036	1,3803e-005	5,4935e-002	3,8326e-003
7,114	2,3778e-005	5,6161e-002	3,7737e-003
7,1244	1,7519e-005	5,6179e-002	3,8444e-003
7,1347	1,3842e-005	5,7827e-002	3,8962e-003
7,1451	2,6865e-005	5,9158e-002	3,9849e-003
7,1554	3,8226e-005	5,9853e-002	4,0011e-003
7,1658	3,5249e-005	6,021e-002	4,0067e-003
7,1761	2,7355e-005	6,0322e-002	4,1009e-003
7,1865	2,2737e-005	6,1226e-002	4,1339e-003
7,1968	4,3323e-005	6,2032e-002	4,1947e-003
7,2072	2,2855e-005	6,2624e-002	4,1969e-003
7,2175	3,1321e-005	6,2505e-002	4,2671e-003
7,2278	3,4031e-005	6,457e-002	4,329e-003
7,2382	4,1673e-005	6,505e-002	4,4002e-003
7,2485	2,7926e-005	6,5086e-002	4,4462e-003
7,2589	3,0448e-005	6,0759e-002	4,4164e-003
7,2692	3,0528e-005	6,0827e-002	4,4658e-003
7,2795	5,5291e-005	6,3558e-002	4,4885e-003
7,2899	2,675e-005	6,285e-002	4,5258e-003
7,3002	1,9926e-005	6,243e-002	4,5696e-003
7,3106	3,3373e-005	6,3575e-002	4,642e-003
7,3209	2,1918e-005	6,5001e-002	4,6773e-003
7,3312	3,8109e-005	6,5964e-002	4,6855e-003
7,3416	2,0787e-005	6,6623e-002	4,6696e-003
7,3519	2,0761e-005	6,7396e-002	4,0484e-003
7,3623	1,3677e-004	6,9629e-002	4,3722e-003
7,3727	1,1697e-004	7,3155e-002	4,166e-003
7,383	1,1465e-004	6,539e-002	4,446e-003
7,3934	7,5972e-005	6,9052e-002	4,0494e-003
7,4038	7,618e-005	7,0103e-002	4,2069e-003
7,4142	4,5847e-005	7,1221e-002	4,09e-003
7,4246	5,2376e-005	6,9754e-002	4,2947e-003
7,435	6,4039e-005	6,8984e-002	4,2894e-003
7,4454	5,4679e-005	7,7609e-002	4,1173e-003
7,4558	1,2605e-004	8,1268e-002	4,3654e-003
7,4661	7,8304e-005	7,7825e-002	4,2673e-003
7,4765	4,7102e-005	8,0848e-002	4,4056e-003
7,4869	5,0966e-005	7,8385e-002	4,2001e-003
7,4972	6,2402e-005	7,8974e-002	4,2997e-003
7,5076	8,067e-005	7,8896e-002	4,3397e-003
7,518	5,0712e-005	7,848e-002	4,3911e-003
7,5284	5,1e-005	8,0176e-002	4,4771e-003
7,5387	2,2036e-005	8,25e-002	4,306e-003
7,5491	3,1159e-005	8,139e-002	4,5681e-003
7,5595	2,553e-005	8,2738e-002	4,562e-003
7,5699	3,9919e-005	7,9164e-002	4,5349e-003
7,5802	4,0693e-005	8,0065e-002	4,4431e-003
7,5906	3,9144e-005	7,923e-002	4,5346e-003
7,601	4,4982e-005	8,0273e-002	4,6404e-003
7,6113	3,1053e-005	8,2348e-002	4,5872e-003
7,6217	2,6894e-005	8,2326e-002	4,6718e-003
7,6321	1,4073e-005	8,2842e-002	4,6467e-003
7,6424	6,5074e-005	8,3233e-002	4,7867e-003
7,6528	3,1256e-005	8,3953e-002	4,7539e-003
7,6632	4,2765e-005	8,4442e-002	4,7784e-003
7,6735	1,4153e-005	7,6887e-002	4,7372e-003
7,6839	2,8499e-005	7,7615e-002	4,8762e-003
7,6942	6,087e-005	7,9493e-002	4,9623e-003
7,7046	5,4396e-005	7,7548e-002	4,9753e-003
7,7149	4,0756e-005	7,8859e-002	5,0089e-003
7,7253	1,9742e-005	8,007e-002	5,0395e-003
7,7356	5,6095e-005	8,0413e-002	5,0959e-003
7,746	2,1249e-005	8,1462e-002	5,1602e-003
7,7563	1,3145e-005	8,235e-002	5,1981e-003
7,7667	4,4239e-005	8,3269e-002	5,2442e-003

	4,4423e-005	8,4518e-002	5,2966e-003
7,7873	2,8968e-005	8,4841e-002	5,344e-003
7,7977	5,2391e-005	8,6142e-002	5,3685e-003
7,808	2,529e-005	8,587e-002	5,4299e-003
7,8184	5,2152e-005	9,0376e-002	5,5306e-003
7,8287	4,1888e-005	9,0757e-002	5,5731e-003
7,839	5,1347e-005	9,0837e-002	5,6305e-003
7,8494	4,0902e-005	9,1022e-002	5,657e-003
7,8597	4,7956e-005	9,2015e-002	5,6709e-003
7,8701	5,8223e-005	9,1213e-002	5,5624e-003
7,8804	1,0372e-004	9,4442e-002	5,2624e-003
7,8908	1,2671e-004	9,6544e-002	5,1745e-003
7,9012	4,0363e-005	9,2541e-002	5,2409e-003
7,9115	9,3079e-005	9,3727e-002	5,2443e-003
7,9215	1,0803e-004	5,916e-002	3,4485e-003
7,9316	2,4054e-004	5,8181e-002	3,5045e-003
7,9418	1,593e-004	7,069e-002	3,1467e-003
7,952	7,7341e-005	5,3274e-002	3,6594e-003
7,9621	8,4556e-005	6,4693e-002	3,2798e-003
7,9723	1,4067e-004	6,4068e-002	3,0358e-003
7,9825	4,3914e-005	6,8656e-002	2,847e-003
7,9926	1,5851e-004	6,4981e-002	2,9519e-003
8,	1,2999e-004	6,7771e-002	3,0796e-003
8,0101	2,2847e-004	7,2975e-002	2,8069e-003
8,0203	4,9527e-005	6,8333e-002	2,9189e-003
8,0305	8,8401e-005	7,6885e-002	2,945e-003
8,0407	6,6013e-005	7,5486e-002	3,2313e-003
8,0508	5,4998e-005	7,5015e-002	3,1377e-003
8,061	5,3753e-005	7,8089e-002	2,7717e-003
8,0712	6,1192e-005	8,1995e-002	2,9435e-003
8,0813	3,9452e-005	4,6082e-002	2,0504e-003
8,0915	6,1987e-005	2,6151e-002	2,0437e-003
8,1017	9,3506e-005	2,7456e-002	2,0536e-003
8,112	1,3296e-004	1,8465e-002	1,9086e-003
8,1222	6,148e-005	1,9209e-002	1,871e-003
8,1324	7,9798e-005	2,3407e-002	1,7209e-003
8,1426	2,1636e-005	2,416e-002	1,6431e-003
8,1529	7,5838e-005	2,1886e-002	1,7866e-003
8,1631	6,6938e-005	2,1403e-002	1,8718e-003
8,1733	4,7644e-005	2,4455e-002	1,8245e-003
8,1836	5,3936e-005	2,6835e-002	1,6754e-003
8,1938	2,7662e-005	2,4522e-002	1,7978e-003
8,2041	6,2702e-005	2,4865e-002	1,8675e-003
8,2143	3,4216e-005	2,6341e-002	1,9217e-003
8,2245	1,5568e-005	2,7462e-002	1,7842e-003
8,2348	7,0975e-005	2,7783e-002	1,8224e-003
8,245	5,5574e-005	2,7345e-002	1,8354e-003
8,2552	2,4339e-005	2,8468e-002	1,876e-003
8,2654	2,4675e-005	2,9749e-002	1,8973e-003
8,2757	3,4007e-005	3,0528e-002	1,8505e-003
8,2859	7,066e-005	3,057e-002	1,9574e-003
8,2961	1,2585e-005	3,1656e-002	1,9336e-003
8,3064	1,7016e-005	3,3584e-002	2,0073e-003
8,3166	2,5707e-005	3,4252e-002	1,9785e-003
8,3268	6,4702e-006	3,4511e-002	2,0551e-003
8,337	1,921e-005	3,6159e-002	2,0543e-003
8,3473	1,5628e-005	3,7649e-002	2,0682e-003
8,3575	2,3898e-005	3,831e-002	2,101e-003
8,3677	1,7353e-005	3,9218e-002	2,1338e-003
8,3779	1,7214e-005	4,0541e-002	2,1695e-003
8,3881	1,715e-005	4,2117e-002	2,1925e-003
8,3984	1,2595e-005	4,2416e-002	2,2559e-003
8,4086	1,3328e-005	4,3431e-002	2,276e-003
8,4188	1,7697e-005	4,5138e-002	2,3254e-003
8,429	1,4387e-005	4,6235e-002	2,3336e-003
8,4392	1,4034e-005	4,7004e-002	2,3842e-003
8,4494	1,8336e-005	4,8646e-002	2,4312e-003
8,4597	2,5094e-005	5,0359e-002	2,4481e-003
8,4699	2,1483e-005	5,1702e-002	2,4988e-003
8,4801	2,3439e-005	5,2839e-002	2,5034e-003
8,4903	3,1506e-005	2,8619e-002	2,1109e-003
8,5006	4,8307e-005	2,9196e-002	1,9858e-003
8,5108	7,1749e-005	2,8677e-002	1,8633e-003
8,5211	3,7291e-005	3,0458e-002	1,465e-003
8,5314	2,8454e-005	2,998e-002	1,7743e-003
8,5417	4,2439e-005	3,0764e-002	1,6578e-003
8,552	4,4951e-005	3,0175e-002	2,0084e-003
8,5622	5,4573e-005	3,0794e-002	1,9567e-003
8,5725	3,9778e-005	3,1712e-002	1,6926e-003
8,5828	3,55e-005	3,2016e-002	1,6667e-003
8,5931	2,3167e-005	3,2271e-002	1,5764e-003
8,6033	2,2256e-005	3,2666e-002	1,8097e-003
8,6136	5,9513e-005	3,3046e-002	1,9339e-003
8,6239	6,7578e-005	3,305e-002	1,9691e-003
8,6342	1,4134e-005	3,3781e-002	1,7552e-003
8,6445	5,3139e-005	3,4019e-002	1,7795e-003
8,6547	3,025e-005	3,4771e-002	1,7314e-003

	2,8426e-005	3,4773e-002	1,9049e-003
8,6753	5,514e-005	3,5012e-002	2,0269e-003
8,6856	4,1017e-005	3,5613e-002	2,0043e-003
8,6959	1,763e-005	3,5906e-002	1,8919e-003
8,7062	3,1753e-005	3,6184e-002	1,8421e-003
8,7165	1,4091e-005	3,683e-002	1,8882e-003
8,7267	6,323e-006	3,7147e-002	1,9586e-003
8,737	1,8128e-005	3,7334e-002	2,0944e-003
8,7473	7,4288e-005	3,7569e-002	2,1089e-003
8,7576	4,1483e-005	3,8252e-002	2,0429e-003
8,7679	4,8095e-005	3,1641e-002	1,8509e-003
8,7782	2,4601e-005	3,1971e-002	1,8426e-003
8,7884	3,1661e-005	3,268e-002	1,8657e-003
8,7987	3,5482e-005	3,344e-002	1,95e-003
8,809	4,9898e-005	3,3261e-002	2,0494e-003
8,8193	1,6915e-005	3,458e-002	2,0116e-003
8,8296	2,7209e-005	3,4588e-002	1,9867e-003
8,8398	1,6178e-005	3,5019e-002	1,9139e-003
8,8501	3,4858e-005	3,5418e-002	1,9214e-003
8,8604	2,5e-005	3,5949e-002	1,9285e-003
8,8707	1,6114e-005	3,6402e-002	1,9735e-003
8,881	3,1072e-005	3,6644e-002	2,0472e-003
8,8913	2,5158e-005	3,7223e-002	2,0828e-003
8,9016	1,784e-005	3,763e-002	2,0846e-003
8,9118	9,4066e-006	3,8055e-002	2,0328e-003
8,9221	2,3345e-005	3,8376e-002	2,0367e-003
8,9324	2,0407e-005	3,9292e-002	2,0377e-003
8,9427	2,3452e-005	3,9643e-002	2,1285e-003
8,953	2,0169e-005	3,9806e-002	2,1678e-003
8,9633	4,2009e-005	4,0186e-002	2,1943e-003
8,9736	2,5121e-005	4,0575e-002	2,202e-003
8,9839	2,0783e-005	4,0887e-002	2,2047e-003
8,9942	1,8761e-005	4,1381e-002	2,1881e-003
9,	1,5965e-005	4,1888e-002	2,2347e-003
9,0103	1,2606e-005	4,1889e-002	2,2436e-003
9,0206	1,6926e-005	4,2467e-002	2,2247e-003
9,0309	1,7795e-005	4,3089e-002	2,1348e-003
9,0412	2,1106e-005	4,3167e-002	2,1565e-003
9,0515	3,3965e-005	4,376e-002	2,1714e-003
9,0618	2,0554e-005	4,401e-002	2,1923e-003
9,0722	4,166e-005	4,471e-002	2,2755e-003
9,0825	3,3048e-005	4,515e-002	2,2654e-003
9,0928	1,7025e-005	4,5749e-002	2,2658e-003
9,1031	2,9914e-005	4,6309e-002	2,3322e-003
9,1135	3,4777e-005	4,687e-002	2,3544e-003
9,1238	2,5266e-005	4,7529e-002	2,397e-003
9,1341	2,2114e-005	4,8496e-002	2,4163e-003
9,1444	2,2074e-005	4,9083e-002	2,4342e-003
9,1548	2,7975e-005	4,9405e-002	2,4398e-003
9,1651	4,9693e-005	5,1004e-002	2,4219e-003
9,1754	4,5271e-005	5,1046e-002	2,4419e-003
9,1858	4,5679e-005	5,2625e-002	2,4508e-003
9,1961	7,0943e-005	5,2885e-002	2,4922e-003
9,2064	3,9951e-005	5,4023e-002	2,3809e-003
9,2168	3,3181e-005	5,4542e-002	2,4017e-003
9,2271	3,0335e-005	5,526e-002	2,4031e-003
9,2375	3,3016e-005	5,4438e-002	2,4064e-003
9,2478	2,5772e-005	5,6536e-002	2,4919e-003
9,2581	1,9255e-005	5,7943e-002	2,542e-003
9,2685	3,8815e-005	5,6757e-002	2,5406e-003
9,2788	3,5114e-005	5,8016e-002	2,5467e-003
9,2892	1,8506e-005	6,0058e-002	2,5642e-003
9,2995	1,6142e-005	5,9643e-002	2,5646e-003
9,3093	6,1729e-005	6,1974e-002	3,0019e-003
9,3196	9,0626e-005	5,9305e-002	2,8089e-003
9,3299	1,4091e-004	6,2456e-002	2,9761e-003
9,3403	5,6444e-005	6,3344e-002	2,7561e-003
9,3506	1,0218e-004	6,4345e-002	2,7211e-003
9,361	2,2829e-005	6,4373e-002	2,6357e-003
9,3713	5,2628e-005	6,6099e-002	2,5172e-003
9,3817	4,3661e-005	6,6215e-002	2,5319e-003
9,392	3,0207e-005	6,6406e-002	2,6498e-003
9,4024	5,7053e-005	6,8358e-002	2,6871e-003
9,4127	4,3452e-005	6,7632e-002	2,5502e-003
9,4231	4,0751e-005	6,8645e-002	2,5452e-003
9,4334	3,3688e-005	6,897e-002	2,4654e-003
9,4438	3,3057e-005	7,0294e-002	2,5953e-003
9,4541	1,4757e-005	6,9782e-002	2,6542e-003
9,4645	4,5401e-005	7,0385e-002	2,7049e-003
9,4748	5,0659e-005	7,1915e-002	2,596e-003
9,4852	2,5572e-005	7,1051e-002	2,5926e-003
9,4955	2,9945e-005	7,2958e-002	2,5329e-003
9,5059	3,2162e-005	7,4619e-002	2,6244e-003
9,5163	2,8808e-005	7,4854e-002	2,6709e-003
9,5266	2,2192e-005	7,5185e-002	2,746e-003
9,537	4,7689e-005	5,3809e-002	2,4462e-003
9,5473	7,6219e-005	5,2767e-002	2,5326e-003

	4,5681e-005	5,4112e-002	2,4435e-003
9,568	2,5468e-005	5,338e-002	2,516e-003
9,5783	5,1787e-005	5,5253e-002	2,4823e-003
9,5886	3,113e-005	5,679e-002	2,5905e-003
9,599	3,6224e-005	5,7185e-002	2,4214e-003
9,6093	5,3189e-005	5,7136e-002	2,5401e-003
9,6196	2,6815e-005	5,6412e-002	2,4339e-003
9,63	5,2696e-005	5,8118e-002	2,5042e-003
9,6403	2,1257e-005	5,7497e-002	2,5341e-003
9,6507	1,3068e-005	5,9034e-002	2,5646e-003
9,661	1,9284e-005	5,8718e-002	2,5729e-003
9,6714	2,9175e-005	5,9603e-002	2,5654e-003
9,6817	2,6484e-005	6,3977e-002	2,5421e-003
9,692	2,7883e-005	6,5008e-002	2,5176e-003
9,7024	4,5491e-005	6,1795e-002	2,6684e-003
9,7127	3,8641e-005	6,1664e-002	2,6754e-003
9,7231	1,138e-005	6,1037e-002	2,7115e-003
9,7334	2,6911e-005	6,3052e-002	2,6526e-003
9,7438	2,334e-005	6,5513e-002	2,6529e-003
9,7541	2,4306e-005	6,5512e-002	2,6632e-003
9,7645	3,9098e-005	6,6114e-002	2,74e-003
9,7748	2,7418e-005	6,782e-002	2,7765e-003
9,7851	1,3984e-005	6,5389e-002	2,7724e-003
9,7955	1,2035e-005	6,59e-002	2,7421e-003
9,8058	1,6334e-005	6,7069e-002	2,7364e-003
9,8162	1,948e-005	7,1848e-002	2,7836e-003
9,8265	1,6993e-005	7,3208e-002	2,8137e-003
9,8369	2,2974e-005	7,5379e-002	2,8693e-003
9,8472	2,1238e-005	7,5294e-002	2,8676e-003
9,8576	1,8692e-005	7,5264e-002	2,8374e-003
9,8679	1,6556e-005	7,7465e-002	2,8345e-003
9,8783	1,5203e-005	7,8455e-002	2,8641e-003
9,8886	2,2116e-005	7,9466e-002	2,8995e-003
9,899	1,878e-005	7,4507e-002	2,9347e-003
9,9093	1,5215e-005	8,2323e-002	2,9495e-003
9,9197	1,8434e-005	7,8056e-002	2,9225e-003
9,93	1,4989e-005	6,6653e-002	2,6238e-003
9,9404	4,9303e-005	6,4247e-002	2,8503e-003
9,9507	5,7151e-005	6,3585e-002	2,7897e-003
9,9611	8,5466e-005	6,3045e-002	2,7006e-003
9,9714	6,1029e-005	6,338e-002	2,8147e-003
9,9817	5,7504e-005	6,4758e-002	2,6413e-003
9,9921	8,1653e-005	6,3049e-002	2,8473e-003
10,	5,5617e-005	6,4951e-002	2,7736e-003
10,01	2,8726e-005	6,5431e-002	2,7657e-003
10,021	7,2279e-005	6,5593e-002	2,8157e-003
10,031	2,0695e-005	6,7214e-002	2,7091e-003
10,041	2,1171e-005	6,6978e-002	2,8092e-003
10,052	2,7994e-005	6,8648e-002	2,7452e-003
10,062	1,008e-005	6,8065e-002	2,8117e-003
10,072	2,1722e-005	6,8786e-002	2,7672e-003
10,083	1,4958e-005	6,9321e-002	2,7471e-003
10,093	2,2237e-005	6,9916e-002	2,8368e-003
10,103	3,3158e-005	7,0588e-002	2,8193e-003
10,114	3,1642e-005	7,1618e-002	2,8731e-003
10,124	2,4678e-005	5,7406e-002	2,8219e-003
10,134	8,1027e-005	5,7436e-002	2,6403e-003
10,145	1,1513e-004	5,8002e-002	2,7036e-003
10,155	5,17e-005	5,8521e-002	2,6207e-003
10,165	4,7727e-005	5,7367e-002	2,6211e-003
10,176	5,8814e-005	5,8316e-002	2,6053e-003
10,186	6,654e-005	5,8071e-002	2,6932e-003
10,196	5,8103e-005	5,8885e-002	2,5842e-003
10,207	3,7702e-005	5,9537e-002	2,6053e-003
10,217	3,9905e-005	5,9855e-002	2,6901e-003
10,227	2,3496e-005	6,0548e-002	2,6158e-003
10,238	3,6256e-005	6,0472e-002	2,7072e-003
10,248	2,2159e-005	6,1298e-002	2,6833e-003
10,258	2,6727e-005	6,1844e-002	2,6999e-003
10,269	3,4133e-005	6,2344e-002	2,7452e-003
10,279	2,7428e-005	6,3422e-002	2,7478e-003
10,289	3,5764e-005	6,3917e-002	2,7411e-003
10,3	2,4398e-005	6,3408e-002	2,7937e-003
10,31	1,4381e-005	6,5247e-002	2,7807e-003
10,32	3,5314e-005	6,5544e-002	2,7928e-003
10,331	2,6895e-005	6,5602e-002	2,8221e-003
10,341	3,0316e-005	6,6075e-002	2,8348e-003
10,351	1,7836e-005	6,7236e-002	2,8487e-003
10,362	2,2501e-005	6,7425e-002	2,8971e-003
10,372	1,2035e-005	6,8039e-002	2,882e-003
10,382	2,633e-005	6,8832e-002	2,9048e-003
10,393	2,8183e-005	6,9905e-002	2,9069e-003
10,403	1,83e-005	7,0631e-002	2,9153e-003
10,413	1,4202e-005	7,1483e-002	2,9473e-003
10,424	2,2388e-005	7,2539e-002	2,9692e-003
10,434	2,1613e-005	7,3606e-002	2,9584e-003
10,444	8,0577e-006	7,4256e-002	2,9931e-003

	2,5328e-005	7,5716e-002	2,9817e-003
10,465	1,9117e-005	7,6324e-002	3,0012e-003
10,475	1,5371e-005	7,756e-002	3,0224e-003
10,486	1,9977e-005	9,1434e-002	2,8903e-003
10,496	9,4603e-005	6,2087e-002	2,8365e-003
10,506	9,1956e-005	5,9679e-002	2,8587e-003
10,517	5,5432e-005	6,1859e-002	2,7914e-003
10,527	6,5152e-005	6,1886e-002	2,8537e-003
10,537	4,2362e-005	6,4068e-002	2,8113e-003
10,548	4,2097e-005	6,2891e-002	2,9036e-003
10,558	6,8023e-005	6,4851e-002	2,8101e-003
10,568	2,7495e-005	6,4432e-002	2,8964e-003
10,579	3,8471e-005	8,2752e-002	3,0024e-003
10,589	2,3528e-005	7,8753e-002	2,946e-003
10,599	2,3996e-005	7,8504e-002	2,9677e-003
10,61	3,5642e-005	8,0408e-002	2,9694e-003
10,62	2,3813e-005	8,0792e-002	2,992e-003
10,63	2,3344e-005	0,14544	3,4989e-003
10,641	1,5176e-004	0,14704	3,7141e-003
10,651	7,3479e-005	0,1484	3,6234e-003
10,661	1,5655e-004	0,13804	3,7365e-003
10,671	1,3941e-004	0,15059	3,6473e-003
10,682	6,6381e-005	0,14657	3,5244e-003
10,692	9,9281e-005	0,15442	3,4685e-003
10,702	7,0413e-005	8,4551e-002	2,7636e-003
10,712	8,1122e-005	7,3942e-002	2,5063e-003
10,722	4,0075e-005	7,5137e-002	2,4127e-003
10,733	7,2289e-005	7,2915e-002	2,3369e-003
10,743	7,4296e-005	7,7188e-002	2,4636e-003
10,753	5,27e-005	7,5759e-002	2,3919e-003
10,763	7,2979e-005	7,6551e-002	2,4284e-003
10,773	5,0073e-005	7,8498e-002	2,2933e-003
10,784	5,7994e-005	7,9633e-002	2,4449e-003
10,794	7,3944e-005	8,0185e-002	2,2712e-003
10,804	2,7266e-005	8,1329e-002	2,2854e-003
10,814	3,6826e-005	8,3496e-002	2,3023e-003
10,825	5,0888e-005	8,491e-002	2,4286e-003
10,835	3,3647e-005	8,5407e-002	2,3733e-003
10,845	1,8014e-005	8,71e-002	2,4062e-003
10,855	3,3066e-005	8,9168e-002	2,3464e-003
10,866	5,3839e-005	9,0443e-002	2,4677e-003
10,876	5,5449e-005	9,2365e-002	2,409e-003
10,886	3,5067e-005	9,4042e-002	2,4087e-003
10,896	3,3217e-005	9,5398e-002	2,5239e-003
10,906	3,4802e-005	9,7705e-002	2,5296e-003
10,917	3,4057e-005	9,9304e-002	2,523e-003
10,927	3,4904e-005	0,10098	2,5212e-003
10,937	4,5216e-005	0,10296	2,5465e-003
10,947	4,4278e-005	0,10593	2,5525e-003
10,958	3,0789e-005	0,10785	2,5617e-003
10,968	3,4909e-005	0,10979	2,6219e-003
10,978	2,815e-005	0,11227	2,6761e-003
10,988	3,635e-005	0,11523	2,6995e-003
10,999	3,3681e-005	0,11828	2,754e-003
11,	4,2535e-005	0,11928	2,7946e-003
11,01	3,3604e-005	0,16786	3,5168e-003
11,02	1,4548e-004	3,3516e-002	4,0793e-003
11,03	2,013e-004	2,1503e-002	3,7106e-003
11,04	2,2524e-004	1,9666e-002	2,8533e-003
11,05	2,3273e-004	2,1271e-002	2,4796e-003
11,06	2,0793e-004	1,7728e-002	2,2748e-003
11,07	2,8139e-004	2,2255e-002	2,2677e-003
11,08	9,7792e-005	1,5528e-002	1,8404e-003
11,091	1,0098e-004	1,6505e-002	1,9307e-003
11,101	1,5921e-004	1,6357e-002	1,9367e-003
11,111	7,4332e-005	1,7151e-002	1,5518e-003
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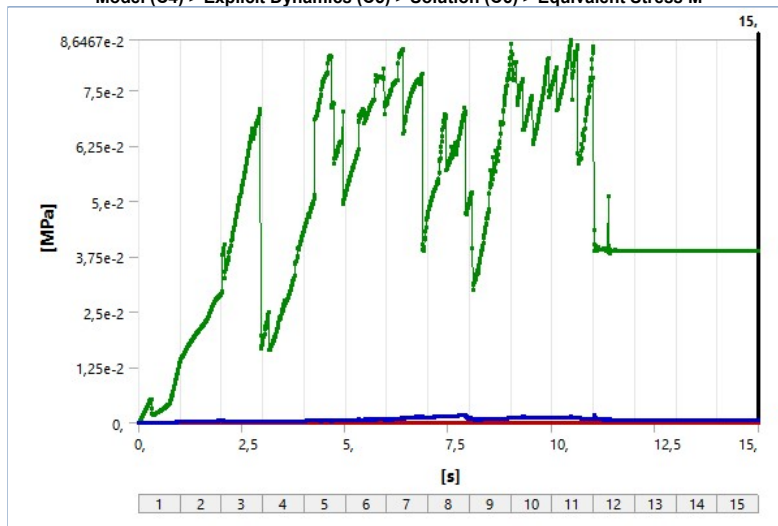
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14,04	7,0992e-007	1,6507e-002	
14,05	7,1256e-007	1,6509e-002	
14,061	6,8595e-007	1,651e-002	
14,071	6,4617e-007	1,6512e-002	
14,081	7,2619e-007	1,6513e-002	
14,091	7,2799e-007	1,6515e-002	
14,101	7,2007e-007	1,6516e-002	
14,111	7,1259e-007	1,6517e-002	
14,121	7,1796e-007	1,6519e-002	
14,131	6,9079e-007	1,6521e-002	
14,141	7,6397e-007	1,6522e-002	
14,151	7,1592e-007	1,6523e-002	
14,161	7,1196e-007	1,6524e-002	
14,172	7,0805e-007	1,6525e-002	
14,182	7,8042e-007		
14,192	7,3047e-007	1,6527e-002	
14,202	7,3438e-007	1,6528e-002	
14,212	7,4964e-007	1,6529e-002	
14,222	7,4492e-007	1,653e-002	
14,232	8,7986e-007	1,6531e-002	
14,242	7,7241e-007	1,6532e-002	
14,252	7,5178e-007		
14,262	7,6237e-007	1,6533e-002	
14,272	7,6864e-007	1,6534e-002	1,1716e-003
14,282	7,5823e-007	1,6535e-002	
14,293	7,6435e-007	1,6536e-002	
14,303	7,9506e-007		
14,313	7,5992e-007	1,6537e-002	
14,323	8,014e-007	1,6538e-002	
14,333	8,1816e-007	1,6539e-002	
14,343	7,6454e-007		
14,353	7,7804e-007	1,654e-002	
14,363	7,7031e-007	1,6541e-002	
14,373	7,683e-007		
14,383	7,6433e-007	1,6542e-002	
14,393	7,6279e-007	1,6543e-002	
14,404	7,5663e-007		
14,414	7,6633e-007	1,6544e-002	
14,424	7,7073e-007		
14,434	7,4357e-007	1,6545e-002	
14,444	7,6665e-007	1,6546e-002	
14,454	7,5295e-007		
14,464	7,9839e-007	1,6547e-002	
14,474	7,3349e-007		
14,484	7,2426e-007	1,6548e-002	
14,494	7,3861e-007	1,6549e-002	
14,504	7,4283e-007		
14,514	7,2755e-007	1,655e-002	
14,525	6,9882e-007		
14,535	7,2773e-007	1,6551e-002	
14,545	7,2765e-007		
14,555	7,2751e-007	1,6552e-002	
14,565	8,0749e-007	1,6553e-002	
14,575	7,137e-007		
14,585	7,1111e-007	1,6554e-002	
14,595	6,9641e-007		
14,605	6,8414e-007	1,6555e-002	
14,615	6,9951e-007		
14,625	6,9388e-007	1,6556e-002	
14,635	7,2888e-007		
14,646	6,8286e-007	1,6557e-002	
14,656	6,7502e-007		
14,666	6,7548e-007	1,6558e-002	1,1717e-003
14,676	6,7264e-007	1,6559e-002	
14,686	6,3681e-007		
14,696	6,5166e-007	1,656e-002	
14,706	6,5349e-007		
14,716	6,438e-007	1,6561e-002	
14,726	6,4199e-007	1,6562e-002	
14,736	6,471e-007		
14,746	7,5085e-007	1,6563e-002	
14,756	6,4218e-007		
14,767	6,4067e-007	1,6564e-002	
14,777	6,3431e-007		
14,787	6,8602e-007	1,6565e-002	
14,797	6,215e-007		
14,807	6,1798e-007	1,6566e-002	

14,817	6,0994e-007	1,6567e-002
14,827	6,0583e-007	
14,837	6,0967e-007	1,6568e-002
14,847	5,9675e-007	
14,857	6,0686e-007	1,6569e-002
14,867	5,93e-007	
14,877	5,9334e-007	1,657e-002
14,887	5,8017e-007	
14,898	5,741e-007	1,6571e-002
14,908	5,6724e-007	
14,918	5,7146e-007	1,6572e-002
14,928	5,7155e-007	
14,938	5,6989e-007	1,6573e-002
14,948	5,6489e-007	
14,958	5,6293e-007	1,6574e-002
14,968	5,5092e-007	
14,978	5,518e-007	1,6574e-002
14,988	5,4699e-007	
14,998	5,4086e-007	1,6574e-002
15,	5,4036e-007	

**FIGURE 51**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Equivalent Stress M



**TABLE 45**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Equivalent Stress M

Time [s]	Minimum [MPa]	Maximum [MPa]	Average [MPa]
1,1755e-038		0,	0,
1,0443e-002		1,4311e-004	2,1045e-006
2,0904e-002		3,3121e-004	4,6596e-006
3,1366e-002		5,1788e-004	7,2093e-006
4,1827e-002		7,0374e-004	9,7556e-006
5,2289e-002		8,8961e-004	1,23e-005
6,275e-002		1,0755e-003	1,4873e-005
7,3211e-002		1,2618e-003	1,7493e-005
8,3672e-002		1,4492e-003	2,0127e-005
9,4132e-002		1,6377e-003	2,2798e-005
0,10459		1,8276e-003	2,5523e-005
0,11505		2,0193e-003	2,8307e-005
0,12551		2,2128e-003	3,1159e-005
0,13597		2,4084e-003	3,4079e-005
0,14643		2,6059e-003	3,7068e-005
0,15689		2,8056e-003	4,0132e-005
0,16735		3,0073e-003	4,3279e-005
0,17781		3,2109e-003	4,6507e-005
0,18826		3,4162e-003	4,9829e-005
0,19872		3,6231e-003	5,3237e-005
0,20918		3,8314e-003	5,673e-005
0,21963		4,0407e-003	6,0316e-005
0,23009		4,2507e-003	6,399e-005
0,24054		4,4609e-003	6,7771e-005
0,25099		4,6705e-003	7,1649e-005
0,26145		4,878e-003	7,5632e-005
0,2719		5,0801e-003	7,9735e-005
0,28235		5,2669e-003	8,4017e-005
0,2928		5,4015e-003	8,8634e-005
0,30326		5,2946e-003	9,4016e-005
0,31371		3,2988e-003	9,1101e-005
0,32417		2,1812e-003	7,457e-005
0,33464		2,0596e-003	5,6547e-005
0,3451		2,055e-003	5,2486e-005
0,35556		1,7841e-003	6,0218e-005
0,36602		1,8945e-003	6,4744e-005
0,37648		1,9472e-003	5,7515e-005

0,38694	1,9898e-003	5,2595e-005
0,3974	2,0436e-003	5,2842e-005
0,40786	2,111e-003	5,8995e-005
0,41832	2,1562e-003	5,7456e-005
0,42878	2,209e-003	5,2612e-005
0,43924	2,2527e-003	5,2553e-005
0,4497	2,316e-003	5,8456e-005
0,46016	2,364e-003	5,5764e-005
0,47062	2,423e-003	5,3797e-005
0,48108	2,4797e-003	5,4202e-005
0,49154	2,5409e-003	5,6712e-005
0,502	2,6064e-003	5,8279e-005
0,51246	2,6658e-003	5,608e-005
0,52292	2,7296e-003	5,6696e-005
0,53337	2,7925e-003	5,8523e-005
0,54383	2,8594e-003	5,958e-005
0,55429	2,9238e-003	5,9286e-005
0,56475	2,992e-003	5,8171e-005
0,57521	3,0605e-003	6,0872e-005
0,58567	3,134e-003	6,243e-005
0,59613	3,2059e-003	6,1319e-005
0,60658	3,2775e-003	6,0879e-005
0,61704	3,3532e-003	6,3318e-005
0,6275	3,4305e-003	6,6343e-005
0,63796	3,5057e-003	6,7014e-005
0,64842	3,5835e-003	6,6482e-005
0,65887	3,6622e-003	6,7835e-005
0,66933	3,743e-003	7,0815e-005
0,67979	3,8259e-003	7,3631e-005
0,69025	3,9094e-003	7,4329e-005
0,70071	3,994e-003	7,4653e-005
0,71117	4,0817e-003	7,7306e-005
0,72162	4,1667e-003	7,9504e-005
0,73208	4,258e-003	8,09e-005
0,74254	4,3506e-003	8,2697e-005
0,753	4,5109e-003	8,6111e-005
0,76346	4,8943e-003	8,9173e-005
0,77392	5,2816e-003	9,2607e-005
0,78438	5,6773e-003	9,7497e-005
0,79484	6,0776e-003	1,0224e-004
0,80529	6,2144e-003	1,0201e-004
0,81575	6,7152e-003	1,0942e-004
0,82621	7,1343e-003	1,1595e-004
0,83667	7,5354e-003	1,1873e-004
0,84713	7,953e-003	1,2068e-004
0,85759	8,3671e-003	1,2536e-004
0,86805	8,7768e-003	1,3084e-004
0,8785	9,2004e-003	1,3571e-004
0,88896	9,6128e-003	1,398e-004
0,89942	1,0032e-002	1,435e-004
0,90988	1,0451e-002	1,4886e-004
0,92033	1,0871e-002	1,5345e-004
0,93079	1,1291e-002	1,5774e-004
0,94124	1,1708e-002	1,6261e-004
0,9517	1,2132e-002	1,6752e-004
0,96216	1,2552e-002	1,7206e-004
0,97261	1,2974e-002	1,7676e-004
0,98307	1,3393e-002	1,813e-004
0,99352	1,3817e-002	1,8627e-004
1,	1,4078e-002	1,891e-004
1,0105	1,4242e-002	1,9127e-004
1,0209	1,4409e-002	1,9351e-004
1,0314	1,4575e-002	1,9602e-004
1,0418	1,4739e-002	1,9778e-004
1,0523	1,4901e-002	2,0002e-004
1,0627	1,5071e-002	2,0222e-004
1,0732	1,5251e-002	2,0446e-004
1,0836	1,5435e-002	2,0672e-004
1,0941	1,5619e-002	2,093e-004
1,1045	1,5798e-002	2,1177e-004
1,115	1,598e-002	2,1408e-004
1,1255	1,6161e-002	2,1625e-004
1,1359	1,6342e-002	2,185e-004
1,1464	1,6521e-002	2,2067e-004
1,1568	1,6697e-002	2,2339e-004
1,1673	1,6873e-002	2,258e-004
1,1777	1,7044e-002	2,278e-004
1,1882	1,7215e-002	2,2988e-004
1,1986	1,7385e-002	2,3229e-004
1,2091	1,7551e-002	2,3476e-004
1,2195	1,7716e-002	2,3717e-004
1,23	1,7883e-002	2,3898e-004
1,2404	1,8041e-002	2,4115e-004
1,2509	1,8197e-002	2,4348e-004
1,2613	1,8352e-002	2,4572e-004
1,2718	1,8504e-002	2,4797e-004
1,2823	1,8653e-002	2,5012e-004

	1,88e-002	2,5231e-004
1,3032	1,8945e-002	2,5433e-004
1,3136	1,9086e-002	2,5647e-004
1,3241	1,9224e-002	2,5869e-004
1,3345	1,9362e-002	2,6086e-004
1,345	1,9494e-002	2,6276e-004
1,3554	1,9627e-002	2,6495e-004
1,3659	1,9741e-002	2,6639e-004
1,3763	1,9901e-002	2,6986e-004
1,3868	2,0073e-002	2,7272e-004
1,3972	2,0222e-002	2,7698e-004
1,4077	2,0389e-002	2,8028e-004
1,4181	2,0537e-002	2,8348e-004
1,4286	2,0697e-002	2,8752e-004
1,439	2,0702e-002	2,922e-004
1,4495	2,0851e-002	2,9444e-004
1,4599	2,0964e-002	2,9584e-004
1,4704	2,106e-002	2,9966e-004
1,4808	2,1169e-002	3,0116e-004
1,4913	2,128e-002	3,0292e-004
1,5017	2,1409e-002	3,0695e-004
1,5122	2,153e-002	3,1089e-004
1,5226	2,1671e-002	3,1484e-004
1,5331	2,179e-002	3,1725e-004
1,5435	2,1927e-002	3,2069e-004
1,554	2,2041e-002	3,2512e-004
1,5644	2,2138e-002	3,284e-004
1,5749	2,2252e-002	3,3216e-004
1,5853	2,2367e-002	3,371e-004
1,5958	2,2506e-002	3,3948e-004
1,6062	2,2703e-002	3,4148e-004
1,6167	2,2885e-002	3,4674e-004
1,6271	2,305e-002	3,511e-004
1,6376	2,3215e-002	3,5355e-004
1,648	2,3368e-002	3,5679e-004
1,6585	2,3539e-002	3,6046e-004
1,669	2,3708e-002	3,6295e-004
1,6794	2,387e-002	3,6683e-004
1,6899	2,4035e-002	3,7177e-004
1,7003	2,4232e-002	3,7511e-004
1,7108	2,4692e-002	3,7851e-004
1,7212	2,4982e-002	3,868e-004
1,7317	2,5219e-002	3,8824e-004
1,7421	2,5413e-002	3,8983e-004
1,7526	2,5629e-002	3,9609e-004
1,763	2,5867e-002	4,022e-004
1,7735	2,6115e-002	4,0231e-004
1,7839	2,6337e-002	4,0456e-004
1,7944	2,6524e-002	4,0639e-004
1,8048	2,6706e-002	4,0859e-004
1,8153	2,6924e-002	4,177e-004
1,8257	2,7147e-002	4,1929e-004
1,8362	2,7373e-002	4,2151e-004
1,8466	2,7588e-002	4,2344e-004
1,8571	2,7757e-002	4,2428e-004
1,8675	2,7873e-002	4,2963e-004
1,878	2,8003e-002	4,3419e-004
1,8885	2,8127e-002	4,3552e-004
1,8989	2,8238e-002	4,3613e-004
1,9094	2,8339e-002	4,3744e-004
1,9198	2,8434e-002	4,4123e-004
1,9303	2,8519e-002	4,4123e-004
1,9407	2,8649e-002	4,4542e-004
1,9512	2,8753e-002	4,4789e-004
1,9616	2,8835e-002	4,4696e-004
1,9721	2,8926e-002	4,476e-004
1,9825	2,9011e-002	4,4934e-004
1,993	2,9092e-002	4,5291e-004
2,	2,9137e-002	4,5202e-004
2,0105	2,9391e-002	4,5435e-004
2,0209	2,9675e-002	4,5838e-004
2,0313	3,7844e-002	4,641e-004
2,0417	3,869e-002	4,1298e-004
2,0521	3,8759e-002	4,5256e-004
2,0625	3,9523e-002	4,3208e-004
2,0729	4,0221e-002	4,1409e-004
2,0833	3,2583e-002	4,0713e-004
2,0937	3,4017e-002	3,61e-004
2,1041	3,5304e-002	3,3099e-004
2,1145	3,5224e-002	3,1051e-004
2,1249	3,4617e-002	3,403e-004
2,1353	3,599e-002	3,3411e-004
2,1457	3,6395e-002	3,1563e-004
2,1562	3,6906e-002	2,71e-004
2,1666	3,6713e-002	3,4083e-004
2,177	3,7279e-002	3,1371e-004
2,1874	3,84e-002	2,915e-004

2,1978	3,8923e-002	2,7418e-004
2,2082	3,8756e-002	3,0057e-004
2,2186	3,9436e-002	3,4103e-004
2,229	4,0115e-002	2,8413e-004
2,2394	4,111e-002	2,6114e-004
2,2499	4,1199e-002	2,8694e-004
2,2603	4,1499e-002	3,3842e-004
2,2707	4,2272e-002	3,0861e-004
2,2811	4,3059e-002	2,6553e-004
2,2915	4,3586e-002	2,8899e-004
2,3019	4,3917e-002	3,2461e-004
2,3123	4,4194e-002	3,0265e-004
2,3227	4,4848e-002	2,9926e-004
2,3331	4,539e-002	3,1579e-004
2,3435	4,5895e-002	3,1112e-004
2,3539	4,6368e-002	3,0014e-004
2,3643	4,6754e-002	3,1156e-004
2,3747	4,7442e-002	3,1657e-004
2,3851	4,7987e-002	3,1986e-004
2,3955	4,8524e-002	3,0916e-004
2,4059	4,8998e-002	3,1698e-004
2,4163	4,9485e-002	3,3454e-004
2,4267	5,0128e-002	3,2344e-004
2,4371	5,0804e-002	3,1137e-004
2,4475	5,1271e-002	3,143e-004
2,4579	5,1029e-002	3,2354e-004
2,4684	5,1532e-002	3,3921e-004
2,4788	5,2201e-002	3,1571e-004
2,4892	5,2894e-002	2,982e-004
2,4996	5,3423e-002	3,1374e-004
2,51	5,3696e-002	3,2413e-004
2,5204	5,4112e-002	3,2981e-004
2,5308	5,4681e-002	3,2437e-004
2,5412	5,5384e-002	3,2266e-004
2,5516	5,5927e-002	3,1685e-004
2,562	5,6338e-002	3,1905e-004
2,5724	5,6771e-002	3,423e-004
2,5828	5,7352e-002	3,4685e-004
2,5932	5,7994e-002	3,348e-004
2,6036	5,8596e-002	3,291e-004
2,614	5,907e-002	3,3627e-004
2,6244	5,9566e-002	3,5717e-004
2,6348	6,0163e-002	3,4988e-004
2,6452	6,0803e-002	3,4599e-004
2,6556	6,1522e-002	3,4914e-004
2,666	6,2034e-002	3,5164e-004
2,6764	6,2609e-002	3,5021e-004
2,6868	6,3154e-002	3,5503e-004
2,6972	6,3667e-002	3,5943e-004
2,7076	6,4242e-002	3,7099e-004
2,718	6,4775e-002	3,6849e-004
2,7284	6,5346e-002	3,6852e-004
2,7388	6,5915e-002	3,7392e-004
2,7492	6,6494e-002	3,752e-004
2,7596	6,4151e-002	3,2424e-004
2,77	6,4634e-002	3,6172e-004
2,7804	6,4928e-002	3,8332e-004
2,7908	6,5351e-002	3,8674e-004
2,8012	6,5953e-002	3,5506e-004
2,8116	6,6598e-002	3,4012e-004
2,822	6,6917e-002	3,5383e-004
2,8324	6,7162e-002	3,784e-004
2,8428	6,7627e-002	3,7943e-004
2,8532	6,8177e-002	3,6669e-004
2,8636	6,7512e-002	3,6507e-004
2,874	6,8074e-002	3,4213e-004
2,8844	6,837e-002	3,4275e-004
2,8948	6,8884e-002	3,4597e-004
2,9052	6,924e-002	3,5954e-004
2,9156	6,9756e-002	3,6349e-004
2,926	7,02e-002	3,5197e-004
2,9364	7,0775e-002	3,4585e-004
2,9468	1,9719e-002	2,4174e-004
2,9572	1,6707e-002	4,1837e-004
2,9676	1,7332e-002	3,9514e-004
2,978	1,8093e-002	3,4391e-004
2,9884	1,7549e-002	3,7303e-004
2,9987	1,8548e-002	3,1399e-004
3,	1,9239e-002	2,6453e-004
3,0104	1,9385e-002	2,7534e-004
3,0208	1,9615e-002	2,4584e-004
3,0312	1,9434e-002	3,0756e-004
3,0416	2,0116e-002	2,648e-004
3,052	2,1035e-002	2,3386e-004
3,0624	2,1733e-002	2,1519e-004
3,0728	2,1576e-002	2,236e-004
3,0832	2,1944e-002	2,8871e-004



	2,252e-002	2,2265e-004
3,104	2,3435e-002	1,9912e-004
3,1145	2,3893e-002	2,0695e-004
3,1249	2,3902e-002	2,3133e-004
3,1353	2,4296e-002	2,6541e-004
3,1457	2,5016e-002	2,2195e-004
3,1561	1,6393e-002	1,9467e-004
3,1665	1,652e-002	1,9823e-004
3,1769	1,6419e-002	2,3579e-004
3,1873	1,6726e-002	2,1247e-004
3,1977	1,7364e-002	1,7813e-004
3,2081	1,752e-002	1,9925e-004
3,2185	1,7402e-002	2,1223e-004
3,2289	1,7512e-002	2,4409e-004
3,2393	1,8013e-002	2,1672e-004
3,2497	1,8483e-002	2,0634e-004
3,2601	1,8465e-002	2,2649e-004
3,2705	1,8533e-002	2,5355e-004
3,2809	1,8942e-002	2,3424e-004
3,2913	1,9451e-002	2,2551e-004
3,3017	1,9556e-002	2,4907e-004
3,3121	1,9632e-002	2,6736e-004
3,3225	1,9955e-002	2,5805e-004
3,3329	2,0509e-002	2,4264e-004
3,3433	2,0901e-002	2,5051e-004
3,3536	2,1155e-002	2,8134e-004
3,364	2,1564e-002	2,9376e-004
3,3744	2,2188e-002	2,7314e-004
3,3848	2,2742e-002	2,6648e-004
3,3952	2,3134e-002	2,9658e-004
3,4056	2,3551e-002	3,0073e-004
3,4159	2,3919e-002	2,3271e-004
3,4263	2,4167e-002	2,8716e-004
3,4367	2,3455e-002	3,4009e-004
3,4471	2,3806e-002	3,2686e-004
3,4575	2,4845e-002	2,6132e-004
3,4679	2,5334e-002	2,5598e-004
3,4783	2,5534e-002	2,6308e-004
3,4887	2,5434e-002	3,0757e-004
3,4991	2,5926e-002	3,1337e-004
3,5095	2,6654e-002	2,6174e-004
3,5199	2,7225e-002	2,589e-004
3,5303	2,7598e-002	2,6452e-004
3,5406	2,633e-002	2,957e-004
3,551	2,7201e-002	2,9098e-004
3,5614	2,7236e-002	2,7365e-004
3,5718	2,7348e-002	2,8631e-004
3,5822	2,7546e-002	3,0261e-004
3,5926	2,7694e-002	2,9147e-004
3,603	2,8028e-002	2,8055e-004
3,6134	2,8298e-002	2,8495e-004
3,6237	2,8474e-002	3,1628e-004
3,6341	2,882e-002	3,1764e-004
3,6445	2,9229e-002	2,9416e-004
3,6549	2,9485e-002	3,0333e-004
3,6653	2,9782e-002	3,26e-004
3,6756	3,0133e-002	3,2033e-004
3,686	3,0534e-002	3,1392e-004
3,6964	3,0853e-002	3,2788e-004
3,7068	3,1131e-002	3,4517e-004
3,7171	3,1529e-002	3,3916e-004
3,7275	3,1998e-002	3,2743e-004
3,7379	3,2238e-002	3,3578e-004
3,7482	3,2465e-002	3,5779e-004
3,7586	3,2761e-002	3,6693e-004
3,769	3,3154e-002	3,5872e-004
3,7793	3,5865e-002	3,5758e-004
3,7897	3,627e-002	3,2564e-004
3,8001	3,6604e-002	3,1079e-004
3,8105	3,661e-002	3,621e-004
3,8209	3,6584e-002	3,8271e-004
3,8313	3,7215e-002	3,6107e-004
3,8416	3,7767e-002	3,2838e-004
3,852	3,946e-002	3,2371e-004
3,8624	3,909e-002	3,7827e-004
3,8728	3,9144e-002	3,8712e-004
3,8831	3,9751e-002	3,6917e-004
3,8935	4,021e-002	3,5641e-004
3,9039	4,0609e-002	3,5421e-004
3,9143	4,0761e-002	3,7411e-004
3,9246	4,1087e-002	3,9721e-004
3,935	4,1501e-002	3,7772e-004
3,9454	4,2043e-002	3,7014e-004
3,9558	4,2326e-002	3,8468e-004
3,9661	4,2604e-002	3,9116e-004
3,9765	4,2881e-002	4,0597e-004
3,9869	4,333e-002	3,9743e-004

	4,3807e-002	3,891e-004
4,	4,3836e-002	4,0543e-004
4,0104	4,4193e-002	4,1235e-004
4,0207	4,4503e-002	4,1846e-004
4,0311	4,4709e-002	4,0517e-004
4,0415	4,4884e-002	4,165e-004
4,0518	4,5231e-002	4,4501e-004
4,0622	4,5591e-002	4,586e-004
4,0726	4,6025e-002	4,4904e-004
4,0829	4,6505e-002	4,4209e-004
4,0933	4,6825e-002	4,5711e-004
4,1036	4,7083e-002	4,8102e-004
4,1139	4,658e-002	4,9903e-004
4,1242	4,7017e-002	4,9702e-004
4,1346	4,743e-002	4,9596e-004
4,1447	4,766e-002	5,0865e-004
4,1551	4,8079e-002	5,2788e-004
4,1654	4,8586e-002	5,384e-004
4,1758	4,8919e-002	5,4558e-004
4,186	4,9295e-002	5,5526e-004
4,1962	4,8571e-002	5,7928e-004
4,2065	4,8793e-002	5,8534e-004
4,2168	4,9327e-002	5,8113e-004
4,2272	4,9759e-002	5,9779e-004
4,2375	5,0131e-002	6,1075e-004
4,2479	5,073e-002	6,0862e-004
4,2582	5,1451e-002	6,024e-004
4,2681	6,8471e-002	4,7872e-004
4,2785	6,9083e-002	5,843e-004
4,2888	6,8916e-002	5,6501e-004
4,2991	6,8898e-002	6,0416e-004
4,3094	6,9439e-002	5,7492e-004
4,3198	7,0254e-002	4,8769e-004
4,3301	7,0087e-002	5,3055e-004
4,3405	7,0524e-002	5,5069e-004
4,3508	7,111e-002	5,1021e-004
4,3612	7,1919e-002	4,7172e-004
4,3715	7,2243e-002	5,0935e-004
4,3819	7,241e-002	5,4818e-004
4,3922	7,3028e-002	4,8702e-004
4,4026	7,3939e-002	4,3944e-004
4,4129	7,4047e-002	4,77e-004
4,4233	7,5164e-002	5,125e-004
4,4336	7,5766e-002	5,0118e-004
4,444	7,6415e-002	4,8818e-004
4,4543	7,6959e-002	4,9067e-004
4,4647	7,7019e-002	5,1564e-004
4,475	7,7232e-002	4,9669e-004
4,4853	7,7689e-002	4,7952e-004
4,4957	7,7901e-002	5,0759e-004
4,506	7,8028e-002	5,4244e-004
4,5164	7,8222e-002	5,3225e-004
4,5267	7,8526e-002	4,9647e-004
4,537	7,8808e-002	4,9204e-004
4,5474	7,8583e-002	5,2099e-004
4,5577	7,8806e-002	5,5176e-004
4,568	7,9077e-002	5,5757e-004
4,5784	8,1254e-002	5,2657e-004
4,5887	8,2143e-002	4,6849e-004
4,5991	8,2587e-002	4,8248e-004
4,6095	8,2678e-002	4,6623e-004
4,6198	8,2431e-002	5,5067e-004
4,6302	8,2585e-002	5,9195e-004
4,6405	8,3034e-002	5,5594e-004
4,6509	8,2614e-002	4,3462e-004
4,6613	7,1077e-002	4,5631e-004
4,6716	7,1759e-002	5,2033e-004
4,682	7,1401e-002	5,451e-004
4,6923	7,1778e-002	5,3533e-004
4,7027	7,2415e-002	4,8603e-004
4,713	7,211e-002	4,8743e-004
4,7234	5,8558e-002	5,6653e-004
4,7337	5,9823e-002	5,1127e-004
4,744	5,9701e-002	4,6547e-004
4,7544	6,0167e-002	5,021e-004
4,7647	6,0306e-002	5,6592e-004
4,7751	6,0436e-002	5,0105e-004
4,7854	6,1295e-002	4,4819e-004
4,7958	6,1376e-002	4,4727e-004
4,8061	6,1229e-002	5,3923e-004
4,8165	6,1572e-002	5,6473e-004
4,8268	6,2059e-002	5,0394e-004
4,8372	6,2471e-002	4,6793e-004
4,8475	6,2636e-002	5,3365e-004
4,8579	6,2781e-002	5,2807e-004
4,8682	6,3187e-002	5,2866e-004
4,8785	6,3501e-002	5,5232e-004

	6,3566e-002	5,7244e-004
4,8992	6,3631e-002	5,5417e-004
4,9096	6,3127e-002	5,2473e-004
4,9199	6,3445e-002	5,3705e-004
4,9302	6,328e-002	6,0498e-004
4,9406	7,0427e-002	5,3867e-004
4,9509	4,9293e-002	5,9833e-004
4,9612	5,0187e-002	5,9363e-004
4,9716	5,0641e-002	5,6749e-004
4,9819	5,1043e-002	5,6024e-004
4,9923	5,1131e-002	5,9175e-004
5,	5,1489e-002	5,9419e-004
5,0104	5,1787e-002	5,9086e-004
5,0207	5,2421e-002	5,6391e-004
5,031	5,2764e-002	5,6034e-004
5,0414	5,301e-002	6,0177e-004
5,0517	5,3422e-002	6,1905e-004
5,0621	5,3801e-002	6,0003e-004
5,0724	5,4297e-002	5,8541e-004
5,0828	5,46e-002	6,0899e-004
5,0931	5,4826e-002	6,2387e-004
5,1034	5,5319e-002	6,3074e-004
5,1138	5,5702e-002	6,2489e-004
5,1241	5,6016e-002	6,2385e-004
5,1344	5,6305e-002	6,2037e-004
5,1448	5,6584e-002	6,3539e-004
5,1551	5,7111e-002	6,3712e-004
5,1655	5,7348e-002	6,4377e-004
5,1758	5,7565e-002	6,4932e-004
5,1861	5,7773e-002	6,5433e-004
5,1965	5,8008e-002	6,5032e-004
5,2068	5,833e-002	6,5779e-004
5,2171	5,8684e-002	6,6697e-004
5,2275	5,8894e-002	6,7606e-004
5,2378	5,9197e-002	6,8096e-004
5,2481	5,9599e-002	6,7724e-004
5,2584	5,9949e-002	6,7948e-004
5,2688	6,0286e-002	6,8449e-004
5,2791	6,0546e-002	6,9901e-004
5,2894	6,0869e-002	7,0594e-004
5,2997	6,1248e-002	7,0535e-004
5,3101	6,1664e-002	7,1312e-004
5,3204	6,7888e-002	7,5555e-004
5,3308	6,836e-002	6,5708e-004
5,3411	6,9453e-002	5,7687e-004
5,3515	6,9409e-002	6,251e-004
5,3618	6,8849e-002	6,9527e-004
5,3722	6,9627e-002	7,0204e-004
5,3825	7,0356e-002	6,5082e-004
5,3929	6,9861e-002	6,2667e-004
5,4033	6,9433e-002	6,7918e-004
5,4136	6,9693e-002	6,8192e-004
5,4239	7,0073e-002	6,5537e-004
5,4343	7,0868e-002	6,5665e-004
5,4447	7,0485e-002	6,9081e-004
5,455	7,0634e-002	7,0582e-004
5,4653	6,7526e-002	6,7267e-004
5,4757	6,828e-002	6,5349e-004
5,486	6,8569e-002	7,0077e-004
5,4964	6,849e-002	7,4339e-004
5,5067	6,8773e-002	7,3076e-004
5,517	6,9264e-002	6,841e-004
5,5274	6,9699e-002	6,6614e-004
5,5377	6,9753e-002	7,0813e-004
5,548	6,9829e-002	7,2921e-004
5,5583	7,0117e-002	7,5627e-004
5,5687	7,0662e-002	7,4374e-004
5,579	7,0992e-002	7,1077e-004
5,5893	7,1174e-002	6,9626e-004
5,5996	7,1364e-002	7,2006e-004
5,6099	7,14e-002	7,5576e-004
5,6203	7,1845e-002	7,7256e-004
5,6306	7,2332e-002	7,3548e-004
5,6409	7,2104e-002	7,321e-004
5,6512	7,2361e-002	7,6122e-004
5,6615	7,2513e-002	8,0568e-004
5,6718	7,2642e-002	8,1314e-004
5,6822	7,3e-002	7,8769e-004
5,6925	7,3002e-002	7,916e-004
5,7028	7,2823e-002	8,128e-004
5,7131	7,3003e-002	8,5246e-004
5,7234	7,8579e-002	7,2603e-004
5,7337	7,6971e-002	7,9286e-004
5,7441	7,7335e-002	7,5811e-004
5,7544	7,7063e-002	8,5947e-004
5,7647	7,7289e-002	8,5605e-004
5,7751	7,7647e-002	8,0239e-004

	7,8012e-002	7,5981e-004
5,7957	7,7959e-002	7,9749e-004
5,8061	7,8028e-002	8,4427e-004
5,8164	7,8114e-002	8,7804e-004
5,8268	7,823e-002	8,4308e-004
5,8371	7,8165e-002	8,1158e-004
5,8474	7,8277e-002	8,2516e-004
5,8577	7,8205e-002	8,7261e-004
5,8681	7,8189e-002	9,001e-004
5,8784	7,8216e-002	8,7534e-004
5,8887	7,8205e-002	7,8267e-004
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5,9093	7,7837e-002	8,3033e-004
5,9197	7,7686e-002	8,2243e-004
5,93	7,7566e-002	8,1306e-004
5,9401	8,014e-002	8,3238e-004
5,9504	6,9561e-002	9,3661e-004
5,9607	7,1347e-002	8,1376e-004
5,9711	7,2301e-002	7,0376e-004
5,9814	7,1734e-002	7,2112e-004
5,9917	7,1635e-002	7,5332e-004
6,	7,2319e-002	7,3017e-004
6,0103	7,1984e-002	8,1666e-004
6,0207	7,3037e-002	7,3502e-004
6,031	7,3348e-002	6,8708e-004
6,0414	7,35e-002	6,7534e-004
6,0517	7,3758e-002	7,1887e-004
6,062	7,3594e-002	8,3693e-004
6,0724	7,4181e-002	7,5904e-004
6,0827	7,4712e-002	7,2674e-004
6,093	7,514e-002	6,6334e-004
6,1034	7,5069e-002	7,8609e-004
6,1137	7,5182e-002	8,5287e-004
6,124	7,5411e-002	8,0128e-004
6,1344	7,6089e-002	7,2243e-004
6,1447	7,6233e-002	7,4751e-004
6,155	7,6464e-002	8,349e-004
6,1653	7,6486e-002	8,5907e-004
6,1757	7,6616e-002	8,0959e-004
6,186	7,6688e-002	8,021e-004
6,1963	7,6853e-002	8,2722e-004
6,2067	7,6931e-002	8,8743e-004
6,217	7,7088e-002	8,5687e-004
6,2273	7,7282e-002	8,6051e-004
6,2376	7,7377e-002	8,6597e-004
6,248	7,7373e-002	8,8933e-004
6,2583	7,7299e-002	9,1952e-004
6,2686	7,7415e-002	9,3701e-004
6,2789	8,1148e-002	9,2879e-004
6,2892	8,2722e-002	8,8371e-004
6,2996	8,2832e-002	9,0108e-004
6,3099	8,329e-002	9,6118e-004
6,3202	8,3321e-002	9,8613e-004
6,3305	8,3387e-002	9,4355e-004
6,3409	8,3672e-002	9,308e-004
6,3512	8,3856e-002	9,8504e-004
6,3615	8,396e-002	1,0309e-003
6,3719	8,4088e-002	1,0225e-003
6,3822	8,4259e-002	9,9425e-004
6,3925	8,444e-002	1,0119e-003
6,4028	6,5268e-002	9,6155e-004
6,4132	6,5887e-002	1,0388e-003
6,4235	6,7747e-002	1,0247e-003
6,4338	6,7738e-002	1,0162e-003
6,4441	6,7905e-002	1,0129e-003
6,4545	6,8261e-002	1,0337e-003
6,4648	6,8576e-002	1,0492e-003
6,4751	6,9046e-002	1,0413e-003
6,4854	7,0306e-002	1,0376e-003
6,4957	7,0589e-002	1,0715e-003
6,5061	7,1099e-002	1,0858e-003
6,5164	7,1511e-002	1,0844e-003
6,5267	7,1759e-002	1,0928e-003
6,537	7,2379e-002	1,1194e-003
6,5473	7,2429e-002	1,1342e-003
6,5576	7,295e-002	1,1447e-003
6,568	7,3243e-002	1,1543e-003
6,5783	7,3782e-002	1,1743e-003
6,5886	7,4215e-002	1,1865e-003
6,5989	7,4288e-002	1,2095e-003
6,6092	7,4712e-002	1,2195e-003
6,6195	7,4897e-002	1,1458e-003
6,6298	7,523e-002	1,1802e-003
6,6401	7,5431e-002	1,2049e-003
6,6504	7,5516e-002	1,2755e-003
6,6607	7,5777e-002	1,2562e-003
6,671	7,6017e-002	1,2408e-003

	7,6321e-002	1,2392e-003
6,6916	7,6459e-002	1,303e-003
6,7019	7,6672e-002	1,3275e-003
6,7121	7,6926e-002	1,2973e-003
6,7224	7,7125e-002	1,3021e-003
6,7327	7,7264e-002	1,3543e-003
6,743	7,7403e-002	1,3881e-003
6,7533	7,7464e-002	1,3653e-003
6,7636	7,7585e-002	1,3655e-003
6,7738	7,7662e-002	1,4135e-003
6,7841	7,7774e-002	1,4436e-003
6,7944	7,6728e-002	1,4239e-003
6,8047	7,6395e-002	1,3717e-003
6,815	7,729e-002	1,3036e-003
6,8253	7,7635e-002	1,429e-003
6,8356	7,7667e-002	1,4406e-003
6,8459	7,8514e-002	1,3827e-003
6,8562	7,8815e-002	1,3533e-003
6,8664	4,0314e-002	1,1274e-003
6,8768	3,9085e-002	1,262e-003
6,8872	3,9798e-002	1,1351e-003
6,8975	3,874e-002	1,1667e-003
6,9079	3,9769e-002	1,1746e-003
6,9182	4,1736e-002	1,1322e-003
6,9286	4,1331e-002	1,1846e-003
6,939	4,3123e-002	1,0687e-003
6,9493	4,3999e-002	1,104e-003
6,9597	4,5963e-002	1,0892e-003
6,9701	4,6134e-002	1,1806e-003
6,9805	4,6581e-002	1,1317e-003
6,9908	4,701e-002	1,1504e-003
7,	4,7472e-002	1,1022e-003
7,0104	4,77e-002	1,1788e-003
7,0207	4,8105e-002	1,1873e-003
7,0311	4,8438e-002	1,1898e-003
7,0415	4,8898e-002	1,1564e-003
7,0518	4,9121e-002	1,2082e-003
7,0622	4,9471e-002	1,2448e-003
7,0726	4,9861e-002	1,2249e-003
7,0829	5,0264e-002	1,2175e-003
7,0933	5,0572e-002	1,2495e-003
7,1036	5,0847e-002	1,2964e-003
7,114	5,1215e-002	1,2675e-003
7,1244	5,1614e-002	1,2703e-003
7,1347	5,1959e-002	1,3001e-003
7,1451	5,2253e-002	1,3324e-003
7,1554	5,239e-002	1,3232e-003
7,1658	5,2504e-002	1,3195e-003
7,1761	5,2843e-002	1,3528e-003
7,1865	5,3133e-002	1,3763e-003
7,1968	5,3364e-002	1,3803e-003
7,2072	5,3714e-002	1,379e-003
7,2175	5,4049e-002	1,4002e-003
7,2278	5,4389e-002	1,421e-003
7,2382	5,4178e-002	1,4257e-003
7,2485	5,507e-002	1,4338e-003
7,2589	5,5075e-002	1,4345e-003
7,2692	5,6334e-002	1,4703e-003
7,2795	5,8968e-002	1,4652e-003
7,2899	5,9462e-002	1,4603e-003
7,3002	5,9806e-002	1,4888e-003
7,3106	6,1063e-002	1,5095e-003
7,3209	6,2312e-002	1,5106e-003
7,3312	6,3609e-002	1,5077e-003
7,3416	6,4818e-002	1,5092e-003
7,3519	6,6057e-002	1,4241e-003
7,3623	6,6822e-002	1,5425e-003
7,3727	6,8313e-002	1,3864e-003
7,383	6,7843e-002	1,554e-003
7,3934	6,733e-002	1,4946e-003
7,4038	6,9101e-002	1,4301e-003
7,4142	6,9704e-002	1,3848e-003
7,4246	6,9433e-002	1,5312e-003
7,435	6,8963e-002	1,4943e-003
7,4454	5,6918e-002	1,3797e-003
7,4558	5,7468e-002	1,4011e-003
7,4661	5,8496e-002	1,4455e-003
7,4765	5,8917e-002	1,4541e-003
7,4869	5,8137e-002	1,3732e-003
7,4972	5,9055e-002	1,3815e-003
7,5076	5,9182e-002	1,4405e-003
7,518	5,8916e-002	1,4743e-003
7,5284	5,9417e-002	1,4376e-003
7,5387	5,9824e-002	1,3817e-003
7,5491	6,0623e-002	1,4701e-003
7,5595	6,2458e-002	1,4945e-003
7,5699	5,9614e-002	1,4561e-003

	5,9981e-002	1,4285e-003
7,5906	6,0254e-002	1,4793e-003
7,601	6,0419e-002	1,5208e-003
7,6113	6,0935e-002	1,5011e-003
7,6217	6,1588e-002	1,4949e-003
7,6321	6,2056e-002	1,5083e-003
7,6424	6,2074e-002	
7,6528	6,2645e-002	1,548e-003
7,6632	6,3276e-002	1,5451e-003
7,6735	6,0725e-002	1,5365e-003
7,6839	6,1429e-002	1,5553e-003
7,6942	6,1856e-002	1,5932e-003
7,7046	6,2274e-002	1,5934e-003
7,7149	6,2544e-002	1,5938e-003
7,7253	6,304e-002	1,5967e-003
7,7356	6,3622e-002	1,6162e-003
7,746	6,4057e-002	1,6301e-003
7,7563	6,4512e-002	1,6386e-003
7,7667	6,4835e-002	1,6551e-003
7,777	6,5408e-002	1,666e-003
7,7873	6,5794e-002	1,6771e-003
7,7977	6,6325e-002	1,6834e-003
7,808	6,6749e-002	1,7083e-003
7,8184	6,7548e-002	1,7167e-003
7,8287	6,7899e-002	1,7352e-003
7,839	6,8313e-002	1,75e-003
7,8494	6,8807e-002	1,7621e-003
7,8597	6,9291e-002	1,7685e-003
7,8701	6,999e-002	1,8116e-003
7,8804	6,9625e-002	1,7632e-003
7,8908	7,1229e-002	1,67e-003
7,9012	6,9779e-002	1,6165e-003
7,9115	7,0229e-002	1,7379e-003
7,9215	4,7287e-002	1,3424e-003
7,9316	4,7162e-002	1,242e-003
7,9418	4,8659e-002	1,1402e-003
7,952	4,7773e-002	1,3972e-003
7,9621	4,8561e-002	1,2683e-003
7,9723	4,9553e-002	1,0475e-003
7,9825	4,9008e-002	1,0071e-003
7,9926	4,9535e-002	1,1992e-003
8,	5,0012e-002	1,1088e-003
8,0101	5,0473e-002	1,1046e-003
8,0203	5,0673e-002	9,8548e-004
8,0305	5,1663e-002	9,5879e-004
8,0407	5,1425e-002	1,1064e-003
8,0508	5,1354e-002	1,0432e-003
8,061	5,1817e-002	9,0501e-004
8,0712	5,2113e-002	9,2712e-004
8,0813	3,9355e-002	8,1699e-004
8,0915	3,1235e-002	8,6198e-004
8,1017	3,0101e-002	9,0926e-004
8,112	3,1374e-002	8,3991e-004
8,1222	3,1693e-002	8,1265e-004
8,1324	3,2587e-002	7,4023e-004
8,1426	3,201e-002	6,8513e-004
8,1529	3,2404e-002	7,3462e-004
8,1631	3,3421e-002	7,8613e-004
8,1733	3,2899e-002	7,0358e-004
8,1836	3,3388e-002	6,4752e-004
8,1938	3,4303e-002	6,9155e-004
8,2041	3,3912e-002	7,6045e-004
8,2143	3,3892e-002	7,5116e-004
8,2245	3,4617e-002	6,7103e-004
8,2348	3,5574e-002	6,8202e-004
8,245	3,6157e-002	7,2467e-004
8,2552	3,615e-002	7,3649e-004
8,2654	3,7108e-002	7,1768e-004
8,2757	3,7946e-002	7,106e-004
8,2859	3,8083e-002	7,5375e-004
8,2961	3,8831e-002	7,6336e-004
8,3064	3,9211e-002	7,5074e-004
8,3166	3,9478e-002	7,4377e-004
8,3268	3,9922e-002	7,838e-004
8,337	4,0561e-002	7,8706e-004
8,3473	4,1731e-002	7,7435e-004
8,3575	4,2271e-002	7,8287e-004
8,3677	4,291e-002	8,1084e-004
8,3779	4,3552e-002	8,09e-004
8,3881	4,412e-002	8,0852e-004
8,3984	4,4588e-002	8,3048e-004
8,4086	4,4738e-002	8,504e-004
8,4188	4,5094e-002	8,4438e-004
8,429	4,6202e-002	8,494e-004
8,4392	4,6257e-002	8,7344e-004
8,4494	4,6605e-002	8,8658e-004
8,4597	4,7236e-002	8,8317e-004

8,4699	4,7772e-002	8,9702e-004
8,4801	4,8127e-002	9,0585e-004
8,4903	5,1867e-002	9,0198e-004
8,5006	5,3213e-002	9,1546e-004
8,5108	5,4177e-002	8,2939e-004
8,5211	5,6918e-002	7,857e-004
8,5314	5,6106e-002	8,3337e-004
8,5417	5,5477e-002	7,7512e-004
8,552	5,3939e-002	9,2301e-004
8,5622	5,4984e-002	8,9598e-004
8,5725	5,6075e-002	8,0701e-004
8,5828	5,9928e-002	8,0322e-004
8,5931	5,7107e-002	7,8859e-004
8,6033	5,7327e-002	8,3989e-004
8,6136	5,7112e-002	9,0764e-004
8,6239	5,6743e-002	9,03e-004
8,6342	5,8536e-002	8,5054e-004
8,6445	6,1374e-002	8,3348e-004
8,6547	5,9944e-002	8,3488e-004
8,665	5,9513e-002	8,961e-004
8,6753	5,9145e-002	9,3749e-004
8,6856	5,9111e-002	9,2835e-004
8,6959	6,0504e-002	8,834e-004
8,7062	6,213e-002	8,8872e-004
8,7165	6,339e-002	8,9897e-004
8,7267	6,217e-002	9,0672e-004
8,737	6,316e-002	9,7034e-004
8,7473	6,5159e-002	9,9047e-004
8,7576	6,738e-002	9,4829e-004
8,7679	6,798e-002	9,3602e-004
8,7782	6,7484e-002	9,1433e-004
8,7884	6,7913e-002	9,1867e-004
8,7987	6,7584e-002	9,5116e-004
8,809	6,7755e-002	9,801e-004
8,8193	7,0176e-002	9,7242e-004
8,8296	7,064e-002	9,6561e-004
8,8398	7,1745e-002	9,5107e-004
8,8501	7,2522e-002	9,6281e-004
8,8604	7,3463e-002	9,5563e-004
8,8707	7,3881e-002	9,7601e-004
8,881	7,4374e-002	1,0064e-003
8,8913	7,4892e-002	1,0172e-003
8,9016	7,5937e-002	1,0237e-003
8,9118	7,6088e-002	1,0108e-003
8,9221	7,7284e-002	1,0164e-003
8,9324	7,7532e-002	1,0083e-003
8,9427	7,7681e-002	1,0429e-003
8,953	7,8326e-002	1,0611e-003
8,9633	7,8741e-002	1,0682e-003
8,9736	7,96e-002	1,0642e-003
8,9839	8,0861e-002	1,0835e-003
8,9942	8,2286e-002	
9,	8,256e-002	1,0965e-003
9,0103	8,3863e-002	1,1082e-003
9,0206	8,5612e-002	1,0963e-003
9,0309	8,3287e-002	1,0793e-003
9,0412	7,7516e-002	1,1095e-003
9,0515	7,7501e-002	1,1116e-003
9,0618	7,7407e-002	1,0957e-003
9,0722	7,7657e-002	1,1389e-003
9,0825	7,8847e-002	1,1285e-003
9,0928	8,1101e-002	1,1215e-003
9,1031	8,1346e-002	1,1438e-003
9,1135	8,1428e-002	1,1611e-003
9,1238	8,1516e-002	1,1665e-003
9,1341	8,1564e-002	1,1707e-003
9,1444	8,1482e-002	1,1782e-003
9,1548	7,1647e-002	1,1949e-003
9,1651	7,2601e-002	1,2103e-003
9,1754	7,2441e-002	1,207e-003
9,1858	7,3413e-002	1,1981e-003
9,1961	7,3648e-002	1,1882e-003
9,2064	7,4402e-002	1,1841e-003
9,2168	7,4767e-002	1,198e-003
9,2271	7,5335e-002	1,1917e-003
9,2375	7,6185e-002	1,1844e-003
9,2478	7,5882e-002	1,2183e-003
9,2581	7,6061e-002	1,2337e-003
9,2685	7,6785e-002	1,2347e-003
9,2788	7,689e-002	1,2374e-003
9,2892	7,7111e-002	1,2445e-003
9,2995	7,7501e-002	1,248e-003
9,3093	6,6258e-002	1,3454e-003
9,3196	6,6663e-002	1,3785e-003
9,3299	6,6205e-002	1,3527e-003
9,3403	6,6708e-002	1,2968e-003
9,3506	6,7097e-002	1,2861e-003

9,361	6,7193e-002	1,2707e-003
9,3713	6,7745e-002	1,2099e-003
9,3817	6,8275e-002	1,2214e-003
9,392	6,8695e-002	1,2269e-003
9,4024	6,9219e-002	1,2294e-003
9,4127	6,9575e-002	1,1784e-003
9,4231	7,0012e-002	1,2295e-003
9,4334	7,0603e-002	1,1809e-003
9,4438	7,0837e-002	1,2052e-003
9,4541	7,1399e-002	1,1999e-003
9,4645	7,1696e-002	1,2336e-003
9,4748	7,2239e-002	1,1959e-003
9,4852	7,2714e-002	1,2013e-003
9,4955	7,3242e-002	1,203e-003
9,5059	7,3069e-002	1,2175e-003
9,5163	7,3323e-002	1,2138e-003
9,5266	7,3691e-002	1,2523e-003
9,537	6,2856e-002	1,1542e-003
9,5473	6,3385e-002	1,2063e-003
9,5576	6,3729e-002	1,1591e-003
9,568	6,417e-002	1,1648e-003
9,5783	6,4869e-002	1,1066e-003
9,5886	6,5051e-002	1,1668e-003
9,599	6,529e-002	1,1177e-003
9,6093	6,5821e-002	1,1382e-003
9,6196	6,6159e-002	1,1198e-003
9,63	6,6538e-002	1,1608e-003
9,6403	6,7012e-002	1,1416e-003
9,6507	6,7357e-002	1,1552e-003
9,661	6,786e-002	1,1538e-003
9,6714	6,8891e-002	1,1328e-003
9,6817	6,9475e-002	1,1404e-003
9,692	6,9825e-002	1,1537e-003
9,7024	7,0382e-002	1,1837e-003
9,7127	7,089e-002	1,1861e-003
9,7231	7,1277e-002	1,1969e-003
9,7334	7,1912e-002	1,1795e-003
9,7438	7,2372e-002	1,1805e-003
9,7541	7,2919e-002	1,1844e-003
9,7645	7,3364e-002	1,2099e-003
9,7748	7,3903e-002	1,2213e-003
9,7851	7,4307e-002	1,2234e-003
9,7955	7,501e-002	1,226e-003
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9,8162	7,6325e-002	1,2304e-003
9,8265	7,6957e-002	1,2483e-003
9,8369	7,7639e-002	1,264e-003
9,8472	7,8248e-002	1,2665e-003
9,8576	7,8979e-002	1,2627e-003
9,8679	7,9649e-002	1,2713e-003
9,8783	8,0144e-002	1,273e-003
9,8886	8,0695e-002	1,2895e-003
9,899	8,1291e-002	1,3014e-003
9,9093	8,192e-002	1,3079e-003
9,9197	8,2426e-002	1,3024e-003
9,93	7,5128e-002	1,1213e-003
9,9404	7,3627e-002	1,2036e-003
9,9507	7,4169e-002	1,2423e-003
9,9611	7,4718e-002	1,2132e-003
9,9714	7,4812e-002	1,2603e-003
9,9817	7,5159e-002	1,2047e-003
9,9921	7,5664e-002	1,2638e-003
10,	7,6075e-002	1,2354e-003
10,01	7,6524e-002	1,2063e-003
10,021	7,6714e-002	1,2323e-003
10,031	7,7063e-002	1,213e-003
10,041	7,7447e-002	1,2514e-003
10,052	7,7716e-002	1,2183e-003
10,062	7,8132e-002	1,241e-003
10,072	7,847e-002	1,2252e-003
10,083	7,8994e-002	1,2382e-003
10,093	7,9373e-002	1,2542e-003
10,103	7,9907e-002	1,2629e-003
10,114	8,0424e-002	1,2664e-003
10,124	7,064e-002	1,2068e-003
10,134	7,0988e-002	1,1708e-003
10,145	7,1636e-002	1,1828e-003
10,155	7,1902e-002	1,1622e-003
10,165	7,1989e-002	1,2066e-003
10,176	7,2482e-002	1,1589e-003
10,186	7,2908e-002	1,1758e-003
10,196	7,3392e-002	1,1806e-003
10,207	7,3766e-002	1,1689e-003
10,217	7,4169e-002	1,1794e-003
10,227	7,4524e-002	1,1694e-003
10,238	7,4993e-002	1,2093e-003
10,248	7,5309e-002	1,1843e-003



	7,576e-002	1,212e-003
10,269	7,6111e-002	1,2093e-003
10,279	7,6584e-002	1,2095e-003
10,289	7,6984e-002	1,2e-003
10,3	7,7401e-002	1,2342e-003
10,31	7,7846e-002	1,2272e-003
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10,331	7,8779e-002	1,241e-003
10,341	7,9265e-002	1,2606e-003
10,351	7,9818e-002	1,2541e-003
10,362	8,033e-002	1,2641e-003
10,372	8,0846e-002	1,2746e-003
10,382	8,139e-002	1,2795e-003
10,393	8,1978e-002	1,2763e-003
10,403	8,2535e-002	1,292e-003
10,413	8,3095e-002	1,2995e-003
10,424	8,3689e-002	1,3037e-003
10,434	8,4292e-002	1,3064e-003
10,444	8,4869e-002	1,3205e-003
10,455	8,5422e-002	1,3155e-003
10,465	8,6039e-002	1,3249e-003
10,475	8,6467e-002	1,3327e-003
10,486	7,2989e-002	1,3009e-003
10,496	7,7952e-002	1,2509e-003
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10,517	7,9318e-002	1,2657e-003
10,527	8,0523e-002	1,2552e-003
10,537	8,1282e-002	1,2033e-003
10,548	8,2079e-002	1,2483e-003
10,558	8,3017e-002	1,2394e-003
10,568	8,385e-002	1,2434e-003
10,579	8,2303e-002	1,2526e-003
10,589	8,2768e-002	1,2762e-003
10,599	8,3566e-002	1,2749e-003
10,61	8,4312e-002	1,2626e-003
10,62	8,5198e-002	1,2915e-003
10,63	6,0822e-002	1,074e-003
10,641	5,9268e-002	1,2537e-003
10,651	5,8523e-002	1,1943e-003
10,661	5,8713e-002	1,151e-003
10,671	5,9466e-002	1,0731e-003
10,682	5,9319e-002	1,1268e-003
10,692	6,0252e-002	1,0429e-003
10,702	5,9808e-002	9,3041e-004
10,712	6,2876e-002	9,116e-004
10,722	6,1374e-002	9,8159e-004
10,733	6,2003e-002	8,9363e-004
10,743	6,4977e-002	8,2587e-004
10,753	6,5362e-002	8,1763e-004
10,763	6,3739e-002	8,9305e-004
10,773	6,4793e-002	8,2566e-004
10,784	6,6304e-002	7,9227e-004
10,794	6,6442e-002	7,9141e-004
10,804	6,848e-002	8,4731e-004
10,814	6,8143e-002	7,8258e-004
10,825	6,9789e-002	7,842e-004
10,835	7,0896e-002	8,0097e-004
10,845	6,9986e-002	8,2505e-004
10,855	7,1173e-002	7,8929e-004
10,866	7,2054e-002	7,9913e-004
10,876	7,2134e-002	7,9615e-004
10,886	7,2916e-002	8,2561e-004
10,896	7,3441e-002	8,2033e-004
10,906	7,5058e-002	8,107e-004
10,917	7,5914e-002	8,1796e-004
10,927	7,6241e-002	8,4162e-004
10,937	7,8051e-002	8,2864e-004
10,947	7,7465e-002	8,1308e-004
10,958	7,7928e-002	8,2503e-004
10,968	7,9979e-002	8,5121e-004
10,978	8,209e-002	8,4177e-004
10,988	8,3627e-002	8,3636e-004
10,999	8,4471e-002	8,5263e-004
11,	8,488e-002	8,6424e-004
11,01	7,795e-002	9,1414e-004
11,02	4,0186e-002	1,5738e-003
11,03	4,3551e-002	1,658e-003
11,04	3,8953e-002	1,3339e-003
11,05	3,9186e-002	1,1968e-003
11,06	3,9452e-002	1,1994e-003
11,07	3,995e-002	1,1021e-003
11,08	3,8872e-002	1,0252e-003
11,091	3,9356e-002	1,0111e-003
11,101	3,9112e-002	9,3645e-004
11,111	3,9156e-002	8,546e-004
11,121	3,9656e-002	9,6247e-004
11,131	3,913e-002	8,1238e-004

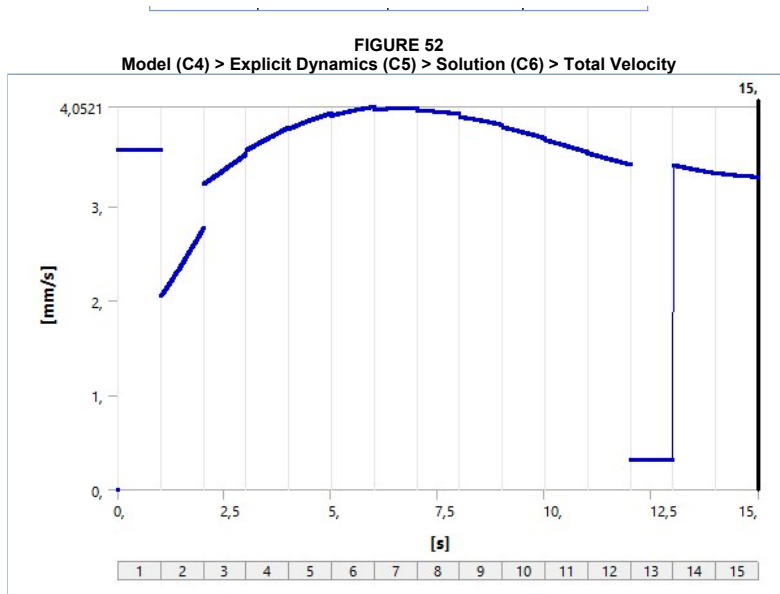
	3,9134e-002	8,0002e-004
11,151	3,9197e-002	8,8849e-004
11,161	3,9113e-002	8,3562e-004
11,171	3,9009e-002	7,4815e-004
11,181	3,9217e-002	8,0217e-004
11,192	3,9154e-002	7,6709e-004
11,202	3,9192e-002	7,6132e-004
11,212	3,9251e-002	7,8457e-004
11,222	3,9259e-002	7,7042e-004
11,232	3,9091e-002	7,4137e-004
11,242	3,9064e-002	7,3645e-004
11,252	3,9168e-002	7,2507e-004
11,262	3,9273e-002	7,5637e-004
11,272	3,9437e-002	7,7901e-004
11,282	3,9196e-002	7,4873e-004
11,293	3,9234e-002	7,2636e-004
11,303	3,886e-002	7,3147e-004
11,313	3,9085e-002	7,3074e-004
11,323	3,8972e-002	7,1257e-004
11,333	3,905e-002	7,1178e-004
11,343	3,9046e-002	7,0318e-004
11,353	3,8927e-002	7,3641e-004
11,363	5,1313e-002	7,3281e-004
11,373	3,9882e-002	8,1264e-004
11,383	3,8423e-002	7,6101e-004
11,393	3,8248e-002	7,5424e-004
11,403	3,8987e-002	7,4514e-004
11,414	3,8978e-002	7,2281e-004
11,424	3,8856e-002	7,147e-004
11,434	3,8901e-002	7,2463e-004
11,444	3,8935e-002	7,1356e-004
11,454	3,8837e-002	7,0262e-004
11,464	3,8754e-002	6,8587e-004
11,474	3,8914e-002	7,0268e-004
11,484	3,8862e-002	7,0239e-004
11,494	3,8839e-002	6,9255e-004
11,504	3,8896e-002	6,8887e-004
11,514	3,8878e-002	6,9405e-004
11,524	3,897e-002	6,9608e-004
11,535	3,8917e-002	6,8879e-004
11,545	3,8894e-002	6,9208e-004
11,555	3,8852e-002	6,913e-004
11,565	3,8814e-002	6,9198e-004
11,575	3,8872e-002	6,8216e-004
11,585	3,8868e-002	6,8405e-004
11,595	3,8913e-002	6,8417e-004
11,605	3,8901e-002	6,938e-004
11,615	3,8893e-002	6,9186e-004
11,625	3,8879e-002	6,8912e-004
11,636	3,887e-002	6,8094e-004
11,646	3,8884e-002	6,8393e-004
11,656	3,8882e-002	6,8101e-004
11,666	3,8886e-002	6,8343e-004
11,676	3,889e-002	6,8618e-004
11,686	3,8904e-002	6,9225e-004
11,696	3,8901e-002	6,889e-004
11,706	3,8902e-002	6,8547e-004
11,716	3,8913e-002	6,8364e-004
11,726	3,8902e-002	6,8486e-004
11,736	3,8885e-002	6,8523e-004
11,746	3,8867e-002	6,8893e-004
11,757	3,8928e-002	6,9731e-004
11,767	3,8863e-002	7,0194e-004
11,777	3,8818e-002	6,9097e-004
11,787	3,889e-002	6,914e-004
11,797	3,8813e-002	6,8869e-004
11,807	3,8781e-002	6,8968e-004
11,817	3,8835e-002	6,8838e-004
11,827	3,8867e-002	6,8606e-004
11,837	3,8814e-002	6,8589e-004
11,847	3,8859e-002	6,8223e-004
11,857	3,8866e-002	6,8517e-004
11,868	3,8891e-002	6,8246e-004
11,878	3,8847e-002	6,8504e-004
11,888	3,8833e-002	6,8338e-004
11,898	3,8828e-002	6,8323e-004
11,908	3,8827e-002	6,8048e-004
11,918	3,8843e-002	6,804e-004
11,928	3,886e-002	6,8018e-004
11,938	3,8833e-002	6,8266e-004
11,948	3,8853e-002	6,8294e-004
11,958	3,8828e-002	6,8198e-004
11,968	3,8836e-002	6,8017e-004
11,978	3,8849e-002	6,7911e-004
11,989	3,884e-002	6,7883e-004
11,999		6,7897e-004
12,	3,8842e-002	6,8088e-004

12,01	3,8841e-002	6,8232e-004
12,02	3,885e-002	6,812e-004
12,03	3,8851e-002	6,7987e-004
12,04	3,8842e-002	6,7887e-004
12,05	3,8843e-002	6,7851e-004
12,061	3,8832e-002	6,7949e-004
12,071	3,8836e-002	6,8003e-004
12,081	3,8837e-002	6,8082e-004
12,091	3,8848e-002	6,8085e-004
12,101	3,885e-002	6,8028e-004
12,111	3,8846e-002	6,7935e-004
12,121	3,8839e-002	6,791e-004
12,131	3,8834e-002	6,7928e-004
12,141	3,8832e-002	6,7981e-004
12,151	3,8839e-002	6,7951e-004
12,161	3,8843e-002	6,7987e-004
12,171	3,8848e-002	6,7972e-004
12,182	3,8851e-002	6,7983e-004
12,192	3,8844e-002	6,7957e-004
12,202	3,8841e-002	6,797e-004
12,212	3,8835e-002	6,7943e-004
12,222		6,7939e-004
12,232	3,8839e-002	6,7907e-004
12,242	3,8842e-002	6,7926e-004
12,252	3,8846e-002	6,7941e-004
12,262	3,8847e-002	6,7998e-004
12,272	3,8843e-002	6,8001e-004
12,282	3,8839e-002	6,7978e-004
12,293		6,7927e-004
12,303	3,8837e-002	6,7904e-004
12,313	3,8839e-002	6,7888e-004
12,323	3,884e-002	6,791e-004
12,333	3,8843e-002	6,7956e-004
12,343	3,8844e-002	6,8003e-004
12,353	3,8843e-002	6,8001e-004
12,363	3,8841e-002	6,7953e-004
12,373	3,884e-002	6,791e-004
12,383	3,8839e-002	6,7889e-004
12,393		6,79e-004
12,404	3,8838e-002	6,7926e-004
12,414	3,8841e-002	6,7965e-004
12,424	3,8842e-002	6,7977e-004
12,434	3,8843e-002	6,7967e-004
12,444	3,8842e-002	6,793e-004
12,454	3,8841e-002	6,7912e-004
12,464	3,8839e-002	6,7905e-004
12,474	3,8837e-002	6,7925e-004
12,484	3,8838e-002	6,7938e-004
12,494	3,8839e-002	6,7949e-004
12,504		6,7941e-004
12,514	3,8842e-002	6,7938e-004
12,525		6,7928e-004
12,535	3,8841e-002	6,793e-004
12,545	3,8839e-002	6,7931e-004
12,555		6,7937e-004
12,565	3,8838e-002	6,793e-004
12,575	3,8839e-002	6,7925e-004
12,585	3,884e-002	6,7921e-004
12,595		6,7929e-004
12,605	3,8841e-002	6,7938e-004
12,615		6,7944e-004
12,625		6,7941e-004
12,636		6,7931e-004
12,646		6,7921e-004
12,656	3,8839e-002	6,7916e-004
12,666		6,7922e-004
12,676		6,7932e-004
12,686		
12,696	3,884e-002	6,7941e-004
12,706		6,7937e-004
12,716		6,7927e-004
12,726		6,7923e-004
12,736	3,8839e-002	6,7922e-004
12,747	3,8838e-002	6,7928e-004
12,757	3,8839e-002	6,7932e-004
12,767		6,7934e-004
12,777		
12,787	3,884e-002	6,7933e-004
12,797		
12,807	3,8839e-002	6,7931e-004
12,817		6,7929e-004
12,827	3,8838e-002	6,7928e-004
12,837		
12,847	3,8839e-002	6,7925e-004
12,857		6,7929e-004
12,868	3,884e-002	6,7935e-004
12,878		6,7938e-004

12,888	3,8839e-002	6,7935e-004
12,898		6,7929e-004
12,908	3,8838e-002	6,7923e-004
12,918		6,7921e-004
12,928		6,7924e-004
12,938		6,7932e-004
12,948		
12,958	3,8839e-002	6,7938e-004
12,968		6,7933e-004
12,979		6,7926e-004
12,989		6,7922e-004
12,999		6,7924e-004
13,	3,8838e-002	6,7929e-004
13,01		6,7935e-004
13,02		6,7936e-004
13,03	3,8839e-002	6,7933e-004
13,04		6,7929e-004
13,05		6,7926e-004
13,061		
13,071	3,8838e-002	6,7929e-004
13,081		6,7932e-004
13,091		
13,101		6,7931e-004
13,111	3,8839e-002	6,7929e-004
13,121		6,7928e-004
13,131		6,793e-004
13,141		
13,151	3,8838e-002	6,7932e-004
13,161		6,793e-004
13,171		6,7928e-004
13,182		6,7927e-004
13,192	3,8839e-002	6,7928e-004
13,202		6,7931e-004
13,212		
13,222		6,7933e-004
13,232		6,7931e-004
13,242		6,7928e-004
13,252		6,7927e-004
13,262		6,7928e-004
13,272		6,793e-004
13,282		
13,293		6,7933e-004
13,303		6,7931e-004
13,313		6,7929e-004
13,323		6,7928e-004
13,333		6,793e-004
13,343		
13,353		6,7931e-004
13,363		
13,373		
13,383		
13,393		
13,404		
13,414		
13,424		6,793e-004
13,434		
13,444	3,8838e-002	
13,454		
13,464		
13,474		
13,484		6,7931e-004
13,494		
13,504		6,793e-004
13,515		
13,525		6,7929e-004
13,535		6,793e-004
13,545		6,7931e-004
13,555		6,7932e-004
13,565		6,7931e-004
13,575		6,793e-004
13,585		
13,595		6,7929e-004
13,605		6,793e-004
13,615		
13,625		6,7931e-004
13,636		
13,646		
13,656		
13,666		
13,676		
13,686		
13,696		
13,706		
13,716	3,8837e-002	6,793e-004
13,726		
13,736		
13,747		

13,757		
13,767		
13,777		
13,787		
13,797		
13,807		
13,817	3,8838e-002	6,7927e-004
13,827	3,8837e-002	6,7926e-004
13,837	3,8838e-002	6,7925e-004
13,847		6,7927e-004
13,858		6,7924e-004
13,868		6,7926e-004
13,878		6,7924e-004
13,888		6,7926e-004
13,898		6,7925e-004
13,908		6,7926e-004
13,918		6,7925e-004
13,928		6,7926e-004
13,938		6,7925e-004
13,948		6,7926e-004
13,958		
13,968		
13,979		6,7925e-004
13,989		
13,999		
14,		6,7926e-004
14,01		
14,02		
14,03		
14,04		
14,05		
14,061		
14,071		
14,081		
14,091		
14,101		
14,111		
14,121		
14,131		
14,141		
14,151		6,7925e-004
14,161		
14,172		
14,182		
14,192		
14,202		
14,212		
14,222		
14,232	3,8837e-002	
14,242		
14,252		
14,262		
14,272		
14,282		
14,293		
14,303		
14,313		
14,323		
14,333		
14,343		
14,353		
14,363		
14,373		
14,383		
14,393		
14,404		
14,414		
14,424		
14,434		
14,444		
14,454		
14,464		
14,474		
14,484		
14,494		
14,504		
14,514		
14,525		
14,535		
14,545		
14,555		
14,565		
14,575		
14,585		
14,595		
14,605		
14,615		

14,625		
14,635		
14,646		
14,656		
14,666		
14,676		
14,686		
14,696		
14,706		
14,716		
14,726		
14,736		
14,746		
14,756		
14,767		
14,777		
14,787		
14,797		
14,807		
14,817	0,	6,7926e-004
14,827		
14,837		
14,847		
14,857		
14,867		
14,877		
14,887		
14,898		
14,908		
14,918		
14,928		
14,938		
14,948		
14,958		
14,968		
14,978		
14,988		
14,998		
15,		



**TABLE 46**  
Model (C4) > Explicit Dynamics (C5) > Solution (C6) > Total Velocity

Time [s]	Minimum [mm/s]	Maximum [mm/s]	Average [mm/s]
1,1755e-038	0,	0,	0,
1,0443e-002			
2,0904e-002			
3,1366e-002			
4,1827e-002			
5,2289e-002			
6,275e-002			
7,3211e-002			
8,3672e-002			
9,4132e-002			
0,10459			
0,11505			
0,12551			
0,13597			
0,14643			
0,15689			
0,16735			
0,17781			
0,18826			
0,19872			
0,20918			
0,21963			
0,23009			
0,24054			
0,25099			
0,26145			
0,2719			
0,28235			
0,2928	3,6016	3,6016	3,6016
0,30326			
0,31371			
0,32417			
0,33464			
0,3451			
0,35556			
0,36602			
0,37648			
0,38694			
0,3974			
0,40786			
0,41832			
0,42878			
0,43924			
0,4497			
0,46016			
0,47062			
0,48108			
0,49154			
0,502			
0,51246			
0,52292			
0,53337			
0,54383			
0,55429			
0,56475			
0,57521			
0,58567			

0,59613			
0,60658			
0,61704			
0,6275			
0,63796			
0,64842			
0,65887			
0,66933			
0,67979			
0,69025			
0,70071			
0,71117			
0,72162			
0,73208			
0,74254			
0,753			
0,76346			
0,77392			
0,78438			
0,79484			
0,80529			
0,81575			
0,82621			
0,83667			
0,84713			
0,85759			
0,86805			
0,8785			
0,88896			
0,89942			
0,90988			
0,92033			
0,93079			
0,94124			
0,9517			
0,96216			
0,97261			
0,98307			
0,99352			
1,			
1,0105	2,0487	2,0487	2,0487
1,0209	2,0554	2,0554	2,0554
1,0314	2,0621	2,0621	2,0621
1,0418	2,0688	2,0688	2,0688
1,0523	2,0756	2,0756	2,0756
1,0627	2,0824	2,0824	2,0824
1,0732	2,0892	2,0892	2,0892
1,0836	2,096	2,096	2,096
1,0941	2,1029	2,1029	2,1029
1,1045	2,1098	2,1098	2,1098
1,115	2,1167	2,1167	2,1167
1,1255	2,1237	2,1237	2,1237
1,1359	2,1307	2,1307	2,1307
1,1464	2,1377	2,1377	2,1377
1,1568	2,1447	2,1447	2,1447
1,1673	2,1517	2,1517	2,1517
1,1777	2,1588	2,1588	2,1588
1,1882	2,1659	2,1659	2,1659
1,1986	2,173	2,173	2,173
1,2091	2,1802	2,1802	2,1802
1,2195	2,1873	2,1873	2,1873
1,23	2,1945	2,1945	2,1945
1,2404	2,2017	2,2017	2,2017
1,2509	2,2089	2,2089	2,2089
1,2613	2,2162	2,2162	2,2162
1,2718	2,2235	2,2235	2,2235
1,2823	2,2307	2,2307	2,2307
1,2927	2,238	2,238	2,238
1,3032	2,2454	2,2454	2,2454
1,3136	2,2527	2,2527	2,2527
1,3241	2,2601	2,2601	2,2601
1,3345	2,2675	2,2675	2,2675
1,345	2,2749	2,2749	2,2749
1,3554	2,2823	2,2823	2,2823
1,3659	2,2897	2,2897	2,2897
1,3763	2,2972	2,2972	2,2972
1,3868	2,3046	2,3046	2,3046
1,3972	2,3121	2,3121	2,3121
1,4077	2,3196	2,3196	2,3196
1,4181	2,3271	2,3271	2,3271
1,4286	2,3347	2,3347	2,3347
1,439	2,3422	2,3422	2,3422
1,4495	2,3498	2,3498	2,3498
1,4599	2,3574	2,3574	2,3574
1,4704	2,365	2,365	2,365
1,4808	2,3726	2,3726	2,3726
1,4913	2,3802	2,3802	2,3802



	2,3878	2,3878	2,3878
1,5122	2,3955	2,3955	2,3955
1,5226	2,4032	2,4032	2,4032
1,5331	2,4108	2,4108	2,4108
1,5435	2,4185	2,4185	2,4185
1,554	2,4262	2,4262	2,4262
1,5644	2,4339	2,4339	2,4339
1,5749	2,4417	2,4417	2,4417
1,5853	2,4494	2,4494	2,4494
1,5958	2,4572	2,4572	2,4572
1,6062	2,4649	2,4649	2,4649
1,6167	2,4727	2,4727	2,4727
1,6271	2,4805	2,4805	2,4805
1,6376	2,4883	2,4883	2,4883
1,648	2,4961	2,4961	2,4961
1,6585	2,5039	2,5039	2,5039
1,669	2,5117	2,5117	2,5117
1,6794	2,5196	2,5196	2,5196
1,6899	2,5274	2,5274	2,5274
1,7003	2,5353	2,5353	2,5353
1,7108	2,5432	2,5432	2,5432
1,7212	2,551	2,551	2,551
1,7317	2,5589	2,5589	2,5589
1,7421	2,5668	2,5668	2,5668
1,7526	2,5747	2,5747	2,5747
1,763	2,5826	2,5826	2,5826
1,7735	2,5906	2,5906	2,5906
1,7839	2,5985	2,5985	2,5985
1,7944	2,6064	2,6064	2,6064
1,8048	2,6144	2,6144	2,6144
1,8153	2,6223	2,6223	2,6223
1,8257	2,6303	2,6303	2,6303
1,8362	2,6382	2,6382	2,6382
1,8466	2,6462	2,6462	2,6462
1,8571	2,6542	2,6542	2,6542
1,8675	2,6622	2,6622	2,6622
1,878	2,6702	2,6702	2,6702
1,8885	2,6781	2,6781	2,6781
1,8989	2,6862	2,6862	2,6862
1,9094	2,6942	2,6942	2,6942
1,9198	2,7022	2,7022	2,7022
1,9303	2,7102	2,7102	2,7102
1,9407	2,7182	2,7182	2,7182
1,9512	2,7262	2,7262	2,7262
1,9616	2,7343	2,7343	2,7343
1,9721	2,7423	2,7423	2,7423
1,9825	2,7504	2,7504	2,7504
1,993	2,7584	2,7584	2,7584
2,	2,7638	2,7638	2,7638
2,0105	3,2353	3,2353	3,2353
2,0209	3,2385	3,2385	3,2385
2,0313	3,2417	3,2417	3,2417
2,0417	3,2448	3,2448	3,2448
2,0521	3,248	3,248	3,248
2,0625	3,2512	3,2512	3,2512
2,0729	3,2544	3,2544	3,2544
2,0833	3,2576	3,2576	3,2576
2,0937	3,2608	3,2608	3,2608
2,1041	3,264	3,264	3,264
2,1145	3,2672	3,2672	3,2672
2,1249	3,2705	3,2705	3,2705
2,1353	3,2737	3,2737	3,2737
2,1457	3,2769	3,2769	3,2769
2,1562	3,2802	3,2802	3,2802
2,1666	3,2834	3,2834	3,2834
2,177	3,2866	3,2866	3,2866
2,1874	3,2899	3,2899	3,2899
2,1978	3,2931	3,2931	3,2931
2,2082	3,2964	3,2964	3,2964
2,2186	3,2996	3,2996	3,2996
2,229	3,3029	3,3029	3,3029
2,2394	3,3061	3,3061	3,3061
2,2499	3,3094	3,3094	3,3094
2,2603	3,3127	3,3127	3,3127
2,2707	3,316	3,316	3,316
2,2811	3,3192	3,3192	3,3192
2,2915	3,3225	3,3225	3,3225
2,3019	3,3258	3,3258	3,3258
2,3123	3,3291	3,3291	3,3291
2,3227	3,3324	3,3324	3,3324
2,3331	3,3356	3,3356	3,3356
2,3435	3,3389	3,3389	3,3389
2,3539	3,3422	3,3422	3,3422
2,3643	3,3455	3,3455	3,3455
2,3747	3,3488	3,3488	3,3488
2,3851	3,3521	3,3521	3,3521
2,3955	3,3554	3,3554	3,3554

	3,3587	3,3587	3,3587
2,4163	3,3621	3,3621	3,3621
2,4267	3,3654	3,3654	3,3654
2,4371	3,3687	3,3687	3,3687
2,4475	3,372	3,372	3,372
2,4579	3,3753	3,3753	3,3753
2,4684	3,3786	3,3786	3,3786
2,4788	3,382	3,382	3,382
2,4892	3,3853	3,3853	3,3853
2,4996	3,3886	3,3886	3,3886
2,51	3,3919	3,3919	3,3919
2,5204	3,3953	3,3953	3,3953
2,5308	3,3986	3,3986	3,3986
2,5412	3,4019	3,4019	3,4019
2,5516	3,4053	3,4053	3,4053
2,562	3,4086	3,4086	3,4086
2,5724	3,412	3,412	3,412
2,5828	3,4153	3,4153	3,4153
2,5932	3,4186	3,4186	3,4186
2,6036	3,422	3,422	3,422
2,614	3,4253	3,4253	3,4253
2,6244	3,4287	3,4287	3,4287
2,6348	3,432	3,432	3,432
2,6452	3,4354	3,4354	3,4354
2,6556	3,4387	3,4387	3,4387
2,666	3,4421	3,4421	3,4421
2,6764	3,4454	3,4454	3,4454
2,6868	3,4488	3,4488	3,4488
2,6972	3,4521	3,4521	3,4521
2,7076	3,4555	3,4555	3,4555
2,718	3,4588	3,4588	3,4588
2,7284	3,4622	3,4622	3,4622
2,7388	3,4655	3,4655	3,4655
2,7492	3,4689	3,4689	3,4689
2,7596	3,4723	3,4723	3,4723
2,77	3,4756	3,4756	3,4756
2,7804	3,479	3,479	3,479
2,7908	3,4823	3,4823	3,4823
2,8012	3,4857	3,4857	3,4857
2,8116	3,489	3,489	3,489
2,822	3,4924	3,4924	3,4924
2,8324	3,4958	3,4958	3,4958
2,8428	3,4991	3,4991	3,4991
2,8532	3,5025	3,5025	3,5025
2,8636	3,5058	3,5058	3,5058
2,874	3,5092	3,5092	3,5092
2,8844	3,5126	3,5126	3,5126
2,8948	3,5159	3,5159	3,5159
2,9052	3,5193	3,5193	3,5193
2,9156	3,5226	3,5226	3,5226
2,926	3,526	3,526	3,526
2,9364	3,5293	3,5293	3,5293
2,9468	3,5327	3,5327	3,5327
2,9572	3,5361	3,5361	3,5361
2,9676	3,5394	3,5394	3,5394
2,978	3,5428	3,5428	3,5428
2,9884	3,5461	3,5461	3,5461
2,9987	3,5495	3,5495	3,5495
3,	3,5499	3,5499	3,5499
3,0104	3,5941	3,5941	3,5941
3,0208	3,5967	3,5967	3,5967
3,0312	3,5993	3,5993	3,5993
3,0416	3,6019	3,6019	3,6019
3,052	3,6044	3,6044	3,6044
3,0624	3,607	3,607	3,607
3,0728	3,6096	3,6096	3,6096
3,0832	3,6122	3,6122	3,6122
3,0936	3,6148	3,6148	3,6148
3,104	3,6173	3,6173	3,6173
3,1145	3,6199	3,6199	3,6199
3,1249	3,6225	3,6225	3,6225
3,1353	3,6251	3,6251	3,6251
3,1457	3,6277	3,6277	3,6277
3,1561	3,6302	3,6302	3,6302
3,1665	3,6328	3,6328	3,6328
3,1769	3,6354	3,6354	3,6354
3,1873	3,6379	3,6379	3,6379
3,1977	3,6405	3,6405	3,6405
3,2081	3,6431	3,6431	3,6431
3,2185	3,6456	3,6456	3,6456
3,2289	3,6482	3,6482	3,6482
3,2393	3,6508	3,6508	3,6508
3,2497	3,6533	3,6533	3,6533
3,2601	3,6559	3,6559	3,6559
3,2705	3,6584	3,6584	3,6584
3,2809	3,661	3,661	3,661
3,2913	3,6635	3,6635	3,6635

	3,6661	3,6661	3,6661
3,3121	3,6686	3,6686	3,6686
3,3225	3,6712	3,6712	3,6712
3,3329	3,6737	3,6737	3,6737
3,3433	3,6762	3,6762	3,6762
3,3536	3,6788	3,6788	3,6788
3,364	3,6813	3,6813	3,6813
3,3744	3,6838	3,6838	3,6838
3,3848	3,6864	3,6864	3,6864
3,3952	3,6889	3,6889	3,6889
3,4056	3,6914	3,6914	3,6914
3,4159	3,6939	3,6939	3,6939
3,4263	3,6965	3,6965	3,6965
3,4367	3,699	3,699	3,699
3,4471	3,7015	3,7015	3,7015
3,4575	3,704	3,704	3,704
3,4679	3,7065	3,7065	3,7065
3,4783	3,709	3,709	3,709
3,4887	3,7116	3,7116	3,7116
3,4991	3,7141	3,7141	3,7141
3,5095	3,7166	3,7166	3,7166
3,5199	3,7191	3,7191	3,7191
3,5303	3,7216	3,7216	3,7216
3,5406	3,7241	3,7241	3,7241
3,551	3,7265	3,7265	3,7265
3,5614	3,729	3,729	3,729
3,5718	3,7315	3,7315	3,7315
3,5822	3,734	3,734	3,734
3,5926	3,7365	3,7365	3,7365
3,603	3,739	3,739	3,739
3,6134	3,7414	3,7414	3,7414
3,6237	3,7439	3,7439	3,7439
3,6341	3,7464	3,7464	3,7464
3,6445	3,7488	3,7488	3,7488
3,6549	3,7513	3,7513	3,7513
3,6653	3,7537	3,7537	3,7537
3,6756	3,7562	3,7562	3,7562
3,686	3,7587	3,7587	3,7587
3,6964	3,7611	3,7611	3,7611
3,7068	3,7635	3,7635	3,7635
3,7171	3,766	3,766	3,766
3,7275	3,7684	3,7684	3,7684
3,7379	3,7709	3,7709	3,7709
3,7482	3,7733	3,7733	3,7733
3,7586	3,7757	3,7757	3,7757
3,769	3,7781	3,7781	3,7781
3,7793	3,7806	3,7806	3,7806
3,7897	3,783	3,783	3,783
3,8001	3,7854	3,7854	3,7854
3,8105	3,7878	3,7878	3,7878
3,8209	3,7902	3,7902	3,7902
3,8313	3,7926	3,7926	3,7926
3,8416	3,795	3,795	3,795
3,852	3,7974	3,7974	3,7974
3,8624	3,7998	3,7998	3,7998
3,8728	3,8022	3,8022	3,8022
3,8831	3,8046	3,8046	3,8046
3,8935	3,807	3,807	3,807
3,9039	3,8093	3,8093	3,8093
3,9143	3,8117	3,8117	3,8117
3,9246	3,8141	3,8141	3,8141
3,935	3,8164	3,8164	3,8164
3,9454	3,8188	3,8188	3,8188
3,9558	3,8212	3,8212	3,8212
3,9661	3,8235	3,8235	3,8235
3,9765	3,8259	3,8259	3,8259
3,9869	3,8282	3,8282	3,8282
3,9973	3,8306	3,8306	3,8306
4,	3,8312	3,8312	3,8312
4,0104	3,8211	3,8211	3,8211
4,0207	3,823	3,823	3,823
4,0311	3,8249	3,8249	3,8249
4,0415	3,8269	3,8269	3,8269
4,0518	3,8288	3,8288	3,8288
4,0622	3,8307	3,8307	3,8307
4,0726	3,8327	3,8327	3,8327
4,0829	3,8346	3,8346	3,8346
4,0933	3,8365	3,8365	3,8365
4,1036	3,8384	3,8384	3,8384
4,1139	3,8403	3,8403	3,8403
4,1242	3,8422	3,8422	3,8422
4,1346	3,8441	3,8441	3,8441
4,1447	3,846	3,846	3,846
4,1551	3,8479	3,8479	3,8479
4,1654	3,8497	3,8497	3,8497
4,1758	3,8516	3,8516	3,8516
4,186	3,8535	3,8535	3,8535

	3,8553	3,8553	3,8553
4,2065	3,8572	3,8572	3,8572
4,2168	3,8591	3,8591	3,8591
4,2272	3,8609	3,8609	3,8609
4,2375	3,8628	3,8628	3,8628
4,2479	3,8646	3,8646	3,8646
4,2582	3,8665	3,8665	3,8665
4,2681	3,8682	3,8682	3,8682
4,2785	3,8701	3,8701	3,8701
4,2888	3,8719	3,8719	3,8719
4,2991	3,8737	3,8737	3,8737
4,3094	3,8756	3,8756	3,8756
4,3198	3,8774	3,8774	3,8774
4,3301	3,8792	3,8792	3,8792
4,3405	3,881	3,881	3,881
4,3508	3,8828	3,8828	3,8828
4,3612	3,8846	3,8846	3,8846
4,3715	3,8864	3,8864	3,8864
4,3819	3,8882	3,8882	3,8882
4,3922	3,89	3,89	3,89
4,4026	3,8918	3,8918	3,8918
4,4129	3,8936	3,8936	3,8936
4,4233	3,8954	3,8954	3,8954
4,4336	3,8972	3,8972	3,8972
4,444	3,8989	3,8989	3,8989
4,4543	3,9007	3,9007	3,9007
4,4647	3,9024	3,9024	3,9024
4,475	3,9042	3,9042	3,9042
4,4853	3,9059	3,9059	3,9059
4,4957	3,9077	3,9077	3,9077
4,506	3,9094	3,9094	3,9094
4,5164	3,9112	3,9112	3,9112
4,5267	3,9129	3,9129	3,9129
4,537	3,9146	3,9146	3,9146
4,5474	3,9163	3,9163	3,9163
4,5577	3,9181	3,9181	3,9181
4,568	3,9198	3,9198	3,9198
4,5784	3,9215	3,9215	3,9215
4,5887	3,9232	3,9232	3,9232
4,5991	3,9249	3,9249	3,9249
4,6095	3,9266	3,9266	3,9266
4,6198	3,9282	3,9282	3,9282
4,6302	3,9299	3,9299	3,9299
4,6405	3,9316	3,9316	3,9316
4,6509	3,9333	3,9333	3,9333
4,6613	3,935	3,935	3,935
4,6716	3,9366	3,9366	3,9366
4,682	3,9383	3,9383	3,9383
4,6923	3,9399	3,9399	3,9399
4,7027	3,9416	3,9416	3,9416
4,713	3,9432	3,9432	3,9432
4,7234	3,9448	3,9448	3,9448
4,7337	3,9465	3,9465	3,9465
4,744	3,9481	3,9481	3,9481
4,7544	3,9497	3,9497	3,9497
4,7647	3,9513	3,9513	3,9513
4,7751	3,9529	3,9529	3,9529
4,7854	3,9545	3,9545	3,9545
4,7958	3,9561	3,9561	3,9561
4,8061	3,9577	3,9577	3,9577
4,8165	3,9593	3,9593	3,9593
4,8268	3,9609	3,9609	3,9609
4,8372	3,9625	3,9625	3,9625
4,8475	3,964	3,964	3,964
4,8579	3,9656	3,9656	3,9656
4,8682	3,9672	3,9672	3,9672
4,8785	3,9687	3,9687	3,9687
4,8889	3,9703	3,9703	3,9703
4,8992	3,9718	3,9718	3,9718
4,9096	3,9733	3,9733	3,9733
4,9199	3,9749	3,9749	3,9749
4,9302	3,9764	3,9764	3,9764
4,9406	3,9779	3,9779	3,9779
4,9509	3,9794	3,9794	3,9794
4,9612	3,9809	3,9809	3,9809
4,9716	3,9824	3,9824	3,9824
4,9819	3,9839	3,9839	3,9839
4,9923	3,9854	3,9854	3,9854
5,	3,9865	3,9865	3,9865
5,0104	3,9581	3,9581	3,9581
5,0207	3,9593	3,9593	3,9593
5,031	3,9606	3,9606	3,9606
5,0414	3,9618	3,9618	3,9618
5,0517	3,9631	3,9631	3,9631
5,0621	3,9643	3,9643	3,9643
5,0724	3,9655	3,9655	3,9655
5,0828	3,9667	3,9667	3,9667

	3,9679	3,9679	3,9679
5,1034	3,9692	3,9692	3,9692
5,1138	3,9704	3,9704	3,9704
5,1241	3,9716	3,9716	3,9716
5,1344	3,9728	3,9728	3,9728
5,1448	3,9739	3,9739	3,9739
5,1551	3,9751	3,9751	3,9751
5,1655	3,9763	3,9763	3,9763
5,1758	3,9775	3,9775	3,9775
5,1861	3,9786	3,9786	3,9786
5,1965	3,9798	3,9798	3,9798
5,2068	3,9809	3,9809	3,9809
5,2171	3,9821	3,9821	3,9821
5,2275	3,9832	3,9832	3,9832
5,2378	3,9844	3,9844	3,9844
5,2481	3,9855	3,9855	3,9855
5,2584	3,9866	3,9866	3,9866
5,2688	3,9878	3,9878	3,9878
5,2791	3,9889	3,9889	3,9889
5,2894	3,99	3,99	3,99
5,2997	3,9911	3,9911	3,9911
5,3101	3,9922	3,9922	3,9922
5,3204	3,9933	3,9933	3,9933
5,3308	3,9944	3,9944	3,9944
5,3411	3,9954	3,9954	3,9954
5,3515	3,9965	3,9965	3,9965
5,3618	3,9976	3,9976	3,9976
5,3722	3,9987	3,9987	3,9987
5,3825	3,9997	3,9997	3,9997
5,3929	4,0008	4,0008	4,0008
5,4033	4,0018	4,0018	4,0018
5,4136	4,0029	4,0029	4,0029
5,4239	4,0039	4,0039	4,0039
5,4343	4,0049	4,0049	4,0049
5,4447	4,006	4,006	4,006
5,455	4,007	4,007	4,007
5,4653	4,008	4,008	4,008
5,4757	4,009	4,009	4,009
5,486	4,01	4,01	4,01
5,4964	4,011	4,011	4,011
5,5067	4,012	4,012	4,012
5,517	4,013	4,013	4,013
5,5274	4,0139	4,0139	4,0139
5,5377	4,0149	4,0149	4,0149
5,548	4,0159	4,0159	4,0159
5,5583	4,0168	4,0168	4,0168
5,5687	4,0178	4,0178	4,0178
5,579	4,0187	4,0187	4,0187
5,5893	4,0197	4,0197	4,0197
5,5996	4,0206	4,0206	4,0206
5,6099	4,0215	4,0215	4,0215
5,6203	4,0224	4,0224	4,0224
5,6306	4,0234	4,0234	4,0234
5,6409	4,0243	4,0243	4,0243
5,6512	4,0252	4,0252	4,0252
5,6615	4,0261	4,0261	4,0261
5,6718	4,027	4,027	4,027
5,6822	4,0278	4,0278	4,0278
5,6925	4,0287	4,0287	4,0287
5,7028	4,0296	4,0296	4,0296
5,7131	4,0305	4,0305	4,0305
5,7234	4,0313	4,0313	4,0313
5,7337	4,0322	4,0322	4,0322
5,7441	4,033	4,033	4,033
5,7544	4,0339	4,0339	4,0339
5,7647	4,0347	4,0347	4,0347
5,7751	4,0355	4,0355	4,0355
5,7854	4,0364	4,0364	4,0364
5,7957	4,0372	4,0372	4,0372
5,8061	4,038	4,038	4,038
5,8164	4,0388	4,0388	4,0388
5,8268	4,0396	4,0396	4,0396
5,8371	4,0404	4,0404	4,0404
5,8474	4,0412	4,0412	4,0412
5,8577	4,042	4,042	4,042
5,8681	4,0427	4,0427	4,0427
5,8784	4,0435	4,0435	4,0435
5,8887	4,0443	4,0443	4,0443
5,899	4,045	4,045	4,045
5,9093	4,0458	4,0458	4,0458
5,9197	4,0465	4,0465	4,0465
5,93	4,0473	4,0473	4,0473
5,9401	4,048	4,048	4,048
5,9504	4,0487	4,0487	4,0487
5,9607	4,0494	4,0494	4,0494
5,9711	4,0501	4,0501	4,0501
5,9814	4,0508	4,0508	4,0508

	4,0515	4,0515	4,0515
6,	4,0521	4,0521	4,0521
6,0103	4,0183	4,0183	4,0183
6,0207	4,0188	4,0188	4,0188
6,031	4,0194	4,0194	4,0194
6,0414	4,02	4,02	4,02
6,0517	4,0205	4,0205	4,0205
6,062	4,021	4,021	4,021
6,0724	4,0216	4,0216	4,0216
6,0827	4,0221	4,0221	4,0221
6,093	4,0226	4,0226	4,0226
6,1034	4,0231	4,0231	4,0231
6,1137	4,0236	4,0236	4,0236
6,124	4,0241	4,0241	4,0241
6,1344	4,0246	4,0246	4,0246
6,1447	4,0251	4,0251	4,0251
6,155	4,0256	4,0256	4,0256
6,1653	4,0261	4,0261	4,0261
6,1757	4,0265	4,0265	4,0265
6,186	4,027	4,027	4,027
6,1963	4,0274	4,0274	4,0274
6,2067	4,0279	4,0279	4,0279
6,217	4,0283	4,0283	4,0283
6,2273	4,0288	4,0288	4,0288
6,2376	4,0292	4,0292	4,0292
6,248	4,0296	4,0296	4,0296
6,2583	4,0301	4,0301	4,0301
6,2686	4,0305	4,0305	4,0305
6,2789	4,0309	4,0309	4,0309
6,2892	4,0313	4,0313	4,0313
6,2996	4,0317	4,0317	4,0317
6,3099	4,0321	4,0321	4,0321
6,3202	4,0325	4,0325	4,0325
6,3305	4,0328	4,0328	4,0328
6,3409	4,0332	4,0332	4,0332
6,3512	4,0336	4,0336	4,0336
6,3615	4,0339	4,0339	4,0339
6,3719	4,0343	4,0343	4,0343
6,3822	4,0346	4,0346	4,0346
6,3925	4,035	4,035	4,035
6,4028	4,0353	4,0353	4,0353
6,4132	4,0357	4,0357	4,0357
6,4235	4,036	4,036	4,036
6,4338	4,0363	4,0363	4,0363
6,4441	4,0366	4,0366	4,0366
6,4545	4,0369	4,0369	4,0369
6,4648	4,0372	4,0372	4,0372
6,4751	4,0375	4,0375	4,0375
6,4854	4,0378	4,0378	4,0378
6,4957	4,0381	4,0381	4,0381
6,5061	4,0384	4,0384	4,0384
6,5164	4,0386	4,0386	4,0386
6,5267	4,0389	4,0389	4,0389
6,537	4,0391	4,0391	4,0391
6,5473	4,0394	4,0394	4,0394
6,5576	4,0396	4,0396	4,0396
6,568	4,0399	4,0399	4,0399
6,5783	4,0401	4,0401	4,0401
6,5886	4,0403	4,0403	4,0403
6,5989	4,0406	4,0406	4,0406
6,6092	4,0408	4,0408	4,0408
6,6195	4,041	4,041	4,041
6,6298	4,0412	4,0412	4,0412
6,6401	4,0414	4,0414	4,0414
6,6504	4,0416	4,0416	4,0416
6,6607	4,0417	4,0417	4,0417
6,671	4,0419	4,0419	4,0419
6,6813	4,0421	4,0421	4,0421
6,6916	4,0423	4,0423	4,0423
6,7019	4,0424	4,0424	4,0424
6,7121	4,0426	4,0426	4,0426
6,7224	4,0427	4,0427	4,0427
6,7327	4,0428	4,0428	4,0428
6,743	4,043	4,043	4,043
6,7533	4,0431	4,0431	4,0431
6,7636	4,0432	4,0432	4,0432
6,7738	4,0433	4,0433	4,0433
6,7841	4,0435	4,0435	4,0435
6,7944	4,0436	4,0436	4,0436
6,8047			
6,815	4,0437	4,0437	4,0437
6,8253	4,0438	4,0438	4,0438
6,8356	4,0439	4,0439	4,0439
6,8459			
6,8562	4,044	4,044	4,044
6,8664	4,0441	4,0441	4,0441
6,8768			

6,8872			
6,8975	4,0442	4,0442	4,0442
6,9079			
6,9182	4,0443	4,0443	4,0443
6,9286			
6,939			
6,9493			
6,9597	4,0444	4,0444	4,0444
6,9701			
6,9805			
6,9908	4,0443	4,0443	4,0443
7,			
7,0104	4,011	4,011	4,011
7,0207			
7,0311	4,0109	4,0109	4,0109
7,0415	4,0107	4,0107	4,0107
7,0518	4,0106	4,0106	4,0106
7,0622	4,0105	4,0105	4,0105
7,0726	4,0104	4,0104	4,0104
7,0829	4,0103	4,0103	4,0103
7,0933	4,0102	4,0102	4,0102
7,1036	4,01	4,01	4,01
7,114	4,0099	4,0099	4,0099
7,1244	4,0097	4,0097	4,0097
7,1347	4,0096	4,0096	4,0096
7,1451	4,0094	4,0094	4,0094
7,1554	4,0092	4,0092	4,0092
7,1658	4,0091	4,0091	4,0091
7,1761	4,0089	4,0089	4,0089
7,1865	4,0087	4,0087	4,0087
7,1968	4,0085	4,0085	4,0085
7,2072	4,0083	4,0083	4,0083
7,2175	4,0081	4,0081	4,0081
7,2278	4,0079	4,0079	4,0079
7,2382	4,0077	4,0077	4,0077
7,2485	4,0075	4,0075	4,0075
7,2589	4,0073	4,0073	4,0073
7,2692	4,007	4,007	4,007
7,2795	4,0068	4,0068	4,0068
7,2899	4,0066	4,0066	4,0066
7,3002	4,0063	4,0063	4,0063
7,3106	4,0061	4,0061	4,0061
7,3209	4,0058	4,0058	4,0058
7,3312	4,0056	4,0056	4,0056
7,3416	4,0053	4,0053	4,0053
7,3519	4,005	4,005	4,005
7,3623	4,0047	4,0047	4,0047
7,3727	4,0044	4,0044	4,0044
7,383	4,0041	4,0041	4,0041
7,3934	4,0038	4,0038	4,0038
7,4038	4,0035	4,0035	4,0035
7,4142	4,0032	4,0032	4,0032
7,4246	4,0029	4,0029	4,0029
7,435	4,0026	4,0026	4,0026
7,4454	4,0023	4,0023	4,0023
7,4558	4,0019	4,0019	4,0019
7,4661	4,0016	4,0016	4,0016
7,4765	4,0012	4,0012	4,0012
7,4869	4,0009	4,0009	4,0009
7,4972	4,0005	4,0005	4,0005
7,5076	4,0002	4,0002	4,0002
7,518	3,9998	3,9998	3,9998
7,5284	3,9994	3,9994	3,9994
7,5387	3,9991	3,9991	3,9991
7,5491	3,9987	3,9987	3,9987
7,5595	3,9983	3,9983	3,9983
7,5699	3,9979	3,9979	3,9979
7,5802	3,9975	3,9975	3,9975
7,5906	3,9971	3,9971	3,9971
7,601	3,9967	3,9967	3,9967
7,6113	3,9962	3,9962	3,9962
7,6217	3,9958	3,9958	3,9958
7,6321	3,9954	3,9954	3,9954
7,6424	3,995	3,995	3,995
7,6528	3,9945	3,9945	3,9945
7,6632	3,9941	3,9941	3,9941
7,6735	3,9936	3,9936	3,9936
7,6839	3,9932	3,9932	3,9932
7,6942	3,9927	3,9927	3,9927
7,7046	3,9922	3,9922	3,9922
7,7149	3,9918	3,9918	3,9918
7,7253	3,9913	3,9913	3,9913
7,7356	3,9908	3,9908	3,9908
7,746	3,9903	3,9903	3,9903
7,7563	3,9898	3,9898	3,9898
7,7667	3,9893	3,9893	3,9893
7,777	3,9888	3,9888	3,9888

7,7873	3,9883	3,9883	3,9883
7,7977	3,9878	3,9878	3,9878
7,808	3,9872	3,9872	3,9872
7,8184	3,9867	3,9867	3,9867
7,8287	3,9862	3,9862	3,9862
7,839	3,9856	3,9856	3,9856
7,8494	3,9851	3,9851	3,9851
7,8597	3,9845	3,9845	3,9845
7,8701	3,984	3,984	3,984
7,8804	3,9834	3,9834	3,9834
7,8908	3,9829	3,9829	3,9829
7,9012	3,9823	3,9823	3,9823
7,9115	3,9817	3,9817	3,9817
7,9215	3,9811	3,9811	3,9811
7,9316	3,9806	3,9806	3,9806
7,9418	3,98	3,98	3,98
7,952	3,9794	3,9794	3,9794
7,9621	3,9788	3,9788	3,9788
7,9723	3,9782	3,9782	3,9782
7,9825	3,9776	3,9776	3,9776
7,9926	3,977	3,977	3,977
8,	3,9765	3,9765	3,9765
8,0101	3,9441	3,9441	3,9441
8,0203	3,9435	3,9435	3,9435
8,0305	3,9428	3,9428	3,9428
8,0407	3,9422	3,9422	3,9422
8,0508	3,9415	3,9415	3,9415
8,061	3,9409	3,9409	3,9409
8,0712	3,9402	3,9402	3,9402
8,0813	3,9395	3,9395	3,9395
8,0915	3,9389	3,9389	3,9389
8,1017	3,9382	3,9382	3,9382
8,112	3,9375	3,9375	3,9375
8,1222	3,9368	3,9368	3,9368
8,1324	3,9361	3,9361	3,9361
8,1426	3,9354	3,9354	3,9354
8,1529	3,9347	3,9347	3,9347
8,1631	3,934	3,934	3,934
8,1733	3,9333	3,9333	3,9333
8,1836	3,9326	3,9326	3,9326
8,1938	3,9319	3,9319	3,9319
8,2041	3,9311	3,9311	3,9311
8,2143	3,9304	3,9304	3,9304
8,2245	3,9297	3,9297	3,9297
8,2348	3,9289	3,9289	3,9289
8,245	3,9282	3,9282	3,9282
8,2552	3,9274	3,9274	3,9274
8,2654	3,9267	3,9267	3,9267
8,2757	3,9259	3,9259	3,9259
8,2859	3,9251	3,9251	3,9251
8,2961	3,9244	3,9244	3,9244
8,3064	3,9236	3,9236	3,9236
8,3166	3,9228	3,9228	3,9228
8,3268	3,922	3,922	3,922
8,337	3,9212	3,9212	3,9212
8,3473	3,9205	3,9205	3,9205
8,3575	3,9197	3,9197	3,9197
8,3677	3,9189	3,9189	3,9189
8,3779	3,9181	3,9181	3,9181
8,3881	3,9172	3,9172	3,9172
8,3984	3,9164	3,9164	3,9164
8,4086	3,9156	3,9156	3,9156
8,4188	3,9148	3,9148	3,9148
8,429	3,914	3,914	3,914
8,4392	3,9131	3,9131	3,9131
8,4494	3,9123	3,9123	3,9123
8,4597	3,9114	3,9114	3,9114
8,4699	3,9106	3,9106	3,9106
8,4801	3,9098	3,9098	3,9098
8,4903	3,9089	3,9089	3,9089
8,5006	3,908	3,908	3,908
8,5108	3,9072	3,9072	3,9072
8,5211	3,9063	3,9063	3,9063
8,5314	3,9054	3,9054	3,9054
8,5417	3,9045	3,9045	3,9045
8,552	3,9036	3,9036	3,9036
8,5622	3,9028	3,9028	3,9028
8,5725	3,9019	3,9019	3,9019
8,5828	3,901	3,901	3,901
8,5931	3,9001	3,9001	3,9001
8,6033	3,8991	3,8991	3,8991
8,6136	3,8982	3,8982	3,8982
8,6239	3,8973	3,8973	3,8973
8,6342	3,8964	3,8964	3,8964
8,6445	3,8955	3,8955	3,8955
8,6547	3,8945	3,8945	3,8945
8,665	3,8936	3,8936	3,8936



	3,8927	3,8927	3,8927
8,6856	3,8917	3,8917	3,8917
8,6959	3,8908	3,8908	3,8908
8,7062	3,8898	3,8898	3,8898
8,7165	3,8889	3,8889	3,8889
8,7267	3,8879	3,8879	3,8879
8,737	3,8869	3,8869	3,8869
8,7473	3,886	3,886	3,886
8,7576	3,885	3,885	3,885
8,7679	3,884	3,884	3,884
8,7782	3,883	3,883	3,883
8,7884	3,882	3,882	3,882
8,7987	3,881	3,881	3,881
8,809	3,8801	3,8801	3,8801
8,8193	3,8791	3,8791	3,8791
8,8296	3,8781	3,8781	3,8781
8,8398	3,877	3,877	3,877
8,8501	3,876	3,876	3,876
8,8604	3,875	3,875	3,875
8,8707	3,874	3,874	3,874
8,881	3,873	3,873	3,873
8,8913	3,8719	3,8719	3,8719
8,9016	3,8709	3,8709	3,8709
8,9118	3,8699	3,8699	3,8699
8,9221	3,8688	3,8688	3,8688
8,9324	3,8678	3,8678	3,8678
8,9427	3,8667	3,8667	3,8667
8,953	3,8657	3,8657	3,8657
8,9633	3,8646	3,8646	3,8646
8,9736	3,8636	3,8636	3,8636
8,9839	3,8625	3,8625	3,8625
8,9942	3,8614	3,8614	3,8614
9,	3,8608	3,8608	3,8608
9,0103	3,8365	3,8365	3,8365
9,0206	3,8354	3,8354	3,8354
9,0309	3,8343	3,8343	3,8343
9,0412	3,8333	3,8333	3,8333
9,0515	3,8322	3,8322	3,8322
9,0618	3,8311	3,8311	3,8311
9,0722	3,8301	3,8301	3,8301
9,0825	3,829	3,829	3,829
9,0928	3,8279	3,8279	3,8279
9,1031	3,8268	3,8268	3,8268
9,1135	3,8257	3,8257	3,8257
9,1238	3,8246	3,8246	3,8246
9,1341	3,8235	3,8235	3,8235
9,1444	3,8224	3,8224	3,8224
9,1548	3,8213	3,8213	3,8213
9,1651	3,8202	3,8202	3,8202
9,1754	3,8191	3,8191	3,8191
9,1858	3,818	3,818	3,818
9,1961	3,8168	3,8168	3,8168
9,2064	3,8157	3,8157	3,8157
9,2168	3,8146	3,8146	3,8146
9,2271	3,8135	3,8135	3,8135
9,2375	3,8123	3,8123	3,8123
9,2478	3,8112	3,8112	3,8112
9,2581	3,8101	3,8101	3,8101
9,2685	3,8089	3,8089	3,8089
9,2788	3,8078	3,8078	3,8078
9,2892	3,8066	3,8066	3,8066
9,2995	3,8055	3,8055	3,8055
9,3093	3,8044	3,8044	3,8044
9,3196	3,8032	3,8032	3,8032
9,3299	3,802	3,802	3,802
9,3403	3,8009	3,8009	3,8009
9,3506	3,7997	3,7997	3,7997
9,361	3,7985	3,7985	3,7985
9,3713	3,7974	3,7974	3,7974
9,3817	3,7962	3,7962	3,7962
9,392	3,795	3,795	3,795
9,4024	3,7938	3,7938	3,7938
9,4127	3,7926	3,7926	3,7926
9,4231	3,7914	3,7914	3,7914
9,4334	3,7902	3,7902	3,7902
9,4438	3,789	3,789	3,789
9,4541	3,7878	3,7878	3,7878
9,4645	3,7866	3,7866	3,7866
9,4748	3,7854	3,7854	3,7854
9,4852	3,7842	3,7842	3,7842
9,4955	3,783	3,783	3,783
9,5059	3,7818	3,7818	3,7818
9,5163	3,7806	3,7806	3,7806
9,5266	3,7793	3,7793	3,7793
9,537	3,7781	3,7781	3,7781
9,5473	3,7769	3,7769	3,7769
9,5576	3,7757	3,7757	3,7757

	3,7744	3,7744	3,7744
9,5783	3,7732	3,7732	3,7732
9,5886	3,7719	3,7719	3,7719
9,599	3,7707	3,7707	3,7707
9,6093	3,7695	3,7695	3,7695
9,6196	3,7682	3,7682	3,7682
9,63	3,767	3,767	3,767
9,6403	3,7657	3,7657	3,7657
9,6507	3,7645	3,7645	3,7645
9,661	3,7632	3,7632	3,7632
9,6714	3,7619	3,7619	3,7619
9,6817	3,7607	3,7607	3,7607
9,692	3,7594	3,7594	3,7594
9,7024	3,7582	3,7582	3,7582
9,7127	3,7569	3,7569	3,7569
9,7231	3,7556	3,7556	3,7556
9,7334	3,7543	3,7543	3,7543
9,7438	3,7531	3,7531	3,7531
9,7541	3,7518	3,7518	3,7518
9,7645	3,7505	3,7505	3,7505
9,7748	3,7492	3,7492	3,7492
9,7851	3,7479	3,7479	3,7479
9,7955	3,7466	3,7466	3,7466
9,8058	3,7453	3,7453	3,7453
9,8162	3,744	3,744	3,744
9,8265	3,7427	3,7427	3,7427
9,8369	3,7414	3,7414	3,7414
9,8472	3,7401	3,7401	3,7401
9,8576	3,7388	3,7388	3,7388
9,8679	3,7375	3,7375	3,7375
9,8783	3,7362	3,7362	3,7362
9,8886	3,7349	3,7349	3,7349
9,899	3,7336	3,7336	3,7336
9,9093	3,7323	3,7323	3,7323
9,9197	3,731	3,731	3,731
9,93	3,7296	3,7296	3,7296
9,9404	3,7283	3,7283	3,7283
9,9507	3,727	3,727	3,727
9,9611	3,7257	3,7257	3,7257
9,9714	3,7243	3,7243	3,7243
9,9817	3,723	3,723	3,723
9,9921	3,7217	3,7217	3,7217
10,	3,7207	3,7207	3,7207
10,01	3,7013	3,7013	3,7013
10,021	3,7	3,7	3,7
10,031	3,6987	3,6987	3,6987
10,041	3,6974	3,6974	3,6974
10,052	3,6961	3,6961	3,6961
10,062	3,6948	3,6948	3,6948
10,072	3,6935	3,6935	3,6935
10,083	3,6922	3,6922	3,6922
10,093	3,6909	3,6909	3,6909
10,103	3,6896	3,6896	3,6896
10,114	3,6883	3,6883	3,6883
10,124	3,687	3,687	3,687
10,134	3,6857	3,6857	3,6857
10,145	3,6844	3,6844	3,6844
10,155	3,6831	3,6831	3,6831
10,165	3,6818	3,6818	3,6818
10,176	3,6805	3,6805	3,6805
10,186	3,6792	3,6792	3,6792
10,196	3,6778	3,6778	3,6778
10,207	3,6765	3,6765	3,6765
10,217	3,6752	3,6752	3,6752
10,227	3,6739	3,6739	3,6739
10,238	3,6726	3,6726	3,6726
10,248	3,6713	3,6713	3,6713
10,258	3,6699	3,6699	3,6699
10,269	3,6686	3,6686	3,6686
10,279	3,6673	3,6673	3,6673
10,289	3,666	3,666	3,666
10,3	3,6646	3,6646	3,6646
10,31	3,6633	3,6633	3,6633
10,32	3,662	3,662	3,662
10,331	3,6606	3,6606	3,6606
10,341	3,6593	3,6593	3,6593
10,351	3,658	3,658	3,658
10,362	3,6566	3,6566	3,6566
10,372	3,6553	3,6553	3,6553
10,382	3,6539	3,6539	3,6539
10,393	3,6526	3,6526	3,6526
10,403	3,6513	3,6513	3,6513
10,413	3,6499	3,6499	3,6499
10,424	3,6486	3,6486	3,6486
10,434	3,6472	3,6472	3,6472
10,444	3,6459	3,6459	3,6459
10,455	3,6445	3,6445	3,6445

	3,6432	3,6432	3,6432
10,475	3,6419	3,6419	3,6419
10,486	3,6405	3,6405	3,6405
10,496	3,6392	3,6392	3,6392
10,506	3,6378	3,6378	3,6378
10,517	3,6365	3,6365	3,6365
10,527	3,6351	3,6351	3,6351
10,537	3,6338	3,6338	3,6338
10,548	3,6324	3,6324	3,6324
10,558	3,6311	3,6311	3,6311
10,568	3,6297	3,6297	3,6297
10,579	3,6283	3,6283	3,6283
10,589	3,627	3,627	3,627
10,599	3,6256	3,6256	3,6256
10,61	3,6243	3,6243	3,6243
10,62	3,6229	3,6229	3,6229
10,63	3,6216	3,6216	3,6216
10,641	3,6202	3,6202	3,6202
10,651	3,6189	3,6189	3,6189
10,661	3,6175	3,6175	3,6175
10,671	3,6162	3,6162	3,6162
10,682	3,6148	3,6148	3,6148
10,692	3,6135	3,6135	3,6135
10,702	3,6122	3,6122	3,6122
10,712	3,6108	3,6108	3,6108
10,722	3,6095	3,6095	3,6095
10,733	3,6081	3,6081	3,6081
10,743	3,6068	3,6068	3,6068
10,753	3,6054	3,6054	3,6054
10,763	3,6041	3,6041	3,6041
10,773	3,6027	3,6027	3,6027
10,784	3,6014	3,6014	3,6014
10,794	3,6	3,6	3,6
10,804	3,5987	3,5987	3,5987
10,814	3,5973	3,5973	3,5973
10,825	3,596	3,596	3,596
10,835	3,5946	3,5946	3,5946
10,845	3,5933	3,5933	3,5933
10,855	3,5919	3,5919	3,5919
10,866	3,5906	3,5906	3,5906
10,876	3,5892	3,5892	3,5892
10,886	3,5879	3,5879	3,5879
10,896	3,5865	3,5865	3,5865
10,906	3,5852	3,5852	3,5852
10,917	3,5838	3,5838	3,5838
10,927	3,5825	3,5825	3,5825
10,937	3,5811	3,5811	3,5811
10,947	3,5798	3,5798	3,5798
10,958	3,5784	3,5784	3,5784
10,968	3,577	3,577	3,577
10,978	3,5757	3,5757	3,5757
10,988	3,5743	3,5743	3,5743
10,999	3,573	3,573	3,573
11,	3,5728	3,5728	3,5728
11,01	3,5611	3,5611	3,5611
11,02	3,5598	3,5598	3,5598
11,03	3,5586	3,5586	3,5586
11,04	3,5573	3,5573	3,5573
11,05	3,556	3,556	3,556
11,06	3,5548	3,5548	3,5548
11,07	3,5535	3,5535	3,5535
11,08	3,5522	3,5522	3,5522
11,091	3,551	3,551	3,551
11,101	3,5497	3,5497	3,5497
11,111	3,5484	3,5484	3,5484
11,121	3,5472	3,5472	3,5472
11,131	3,5459	3,5459	3,5459
11,141	3,5447	3,5447	3,5447
11,151	3,5434	3,5434	3,5434
11,161	3,5421	3,5421	3,5421
11,171	3,5409	3,5409	3,5409
11,181	3,5396	3,5396	3,5396
11,192	3,5383	3,5383	3,5383
11,202	3,5371	3,5371	3,5371
11,212	3,5358	3,5358	3,5358
11,222	3,5346	3,5346	3,5346
11,232	3,5333	3,5333	3,5333
11,242	3,532	3,532	3,532
11,252	3,5308	3,5308	3,5308
11,262	3,5295	3,5295	3,5295
11,272	3,5283	3,5283	3,5283
11,282	3,527	3,527	3,527
11,293	3,5258	3,5258	3,5258
11,303	3,5245	3,5245	3,5245
11,313	3,5233	3,5233	3,5233
11,323	3,522	3,522	3,522
11,333	3,5208	3,5208	3,5208

	3,5195	3,5195	3,5195
11,353	3,5183	3,5183	3,5183
11,363	3,517	3,517	3,517
11,373	3,5158	3,5158	3,5158
11,383	3,5145	3,5145	3,5145
11,393	3,5133	3,5133	3,5133
11,403	3,5121	3,5121	3,5121
11,414	3,5108	3,5108	3,5108
11,424	3,5096	3,5096	3,5096
11,434	3,5084	3,5084	3,5084
11,444	3,5071	3,5071	3,5071
11,454	3,5059	3,5059	3,5059
11,464	3,5046	3,5046	3,5046
11,474	3,5034	3,5034	3,5034
11,484	3,5022	3,5022	3,5022
11,494	3,501	3,501	3,501
11,504	3,4997	3,4997	3,4997
11,514	3,4985	3,4985	3,4985
11,524	3,4973	3,4973	3,4973
11,535	3,4961	3,4961	3,4961
11,545	3,4948	3,4948	3,4948
11,555	3,4936	3,4936	3,4936
11,565	3,4924	3,4924	3,4924
11,575	3,4912	3,4912	3,4912
11,585	3,49	3,49	3,49
11,595	3,4887	3,4887	3,4887
11,605	3,4875	3,4875	3,4875
11,615	3,4863	3,4863	3,4863
11,625	3,4851	3,4851	3,4851
11,636	3,4839	3,4839	3,4839
11,646	3,4827	3,4827	3,4827
11,656	3,4815	3,4815	3,4815
11,666	3,4803	3,4803	3,4803
11,676	3,4791	3,4791	3,4791
11,686	3,4779	3,4779	3,4779
11,696	3,4767	3,4767	3,4767
11,706	3,4755	3,4755	3,4755
11,716	3,4743	3,4743	3,4743
11,726	3,4731	3,4731	3,4731
11,736	3,4719	3,4719	3,4719
11,746	3,4707	3,4707	3,4707
11,757	3,4695	3,4695	3,4695
11,767	3,4683	3,4683	3,4683
11,777	3,4671	3,4671	3,4671
11,787	3,466	3,466	3,466
11,797	3,4648	3,4648	3,4648
11,807	3,4636	3,4636	3,4636
11,817	3,4624	3,4624	3,4624
11,827	3,4612	3,4612	3,4612
11,837	3,4601	3,4601	3,4601
11,847	3,4589	3,4589	3,4589
11,857	3,4577	3,4577	3,4577
11,868	3,4566	3,4566	3,4566
11,878	3,4554	3,4554	3,4554
11,888	3,4542	3,4542	3,4542
11,898	3,4531	3,4531	3,4531
11,908	3,4519	3,4519	3,4519
11,918	3,4508	3,4508	3,4508
11,928	3,4496	3,4496	3,4496
11,938	3,4485	3,4485	3,4485
11,948	3,4473	3,4473	3,4473
11,958	3,4462	3,4462	3,4462
11,968	3,445	3,445	3,445
11,978	3,4439	3,4439	3,4439
11,989	3,4427	3,4427	3,4427
11,999	3,4416	3,4416	3,4416
12,	3,4414	3,4414	3,4414
12,01			
12,02			
12,03			
12,04			
12,05			
12,061			
12,071			
12,081			
12,091			
12,101			
12,111			
12,121			
12,131			
12,141			
12,151			
12,161			
12,171			
12,182			
12,192			
12,202			

12,222			
12,232			
12,242			
12,252			
12,262			
12,272			
12,282			
12,293			
12,303			
12,313			
12,323			
12,333			
12,343			
12,353			
12,363			
12,373			
12,383			
12,393			
12,404			
12,414			
12,424			
12,434			
12,444			
12,454			
12,464			
12,474			
12,484			
12,494			
12,504			
12,514			
12,525			
12,535			
12,545			
12,555			
12,565			
12,575			
12,585			
12,595			
12,605			
12,615	0,31627	0,31627	0,31627
12,625			
12,636			
12,646			
12,656			
12,666			
12,676			
12,686			
12,696			
12,706			
12,716			
12,726			
12,736			
12,747			
12,757			
12,767			
12,777			
12,787			
12,797			
12,807			
12,817			
12,827			
12,837			
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12,857			
12,868			
12,878			
12,888			
12,898			
12,908			
12,918			
12,928			
12,938			
12,948			
12,958			
12,968			
12,979			
12,989			
12,999			
13.			
13,01	3,4348	3,4348	3,4348
13,02	3,4338	3,4338	3,4338
13,03	3,4328	3,4328	3,4328
13,04	3,4318	3,4318	3,4318
13,05	3,4308	3,4308	3,4308
13,061	3,4298	3,4298	3,4298
13,071	3,4288	3,4288	3,4288

13,081	3,4278	3,4278	3,4278
13,091	3,4268	3,4268	3,4268
13,101	3,4258	3,4258	3,4258
13,111	3,4248	3,4248	3,4248
13,121	3,4239	3,4239	3,4239
13,131	3,4229	3,4229	3,4229
13,141	3,4219	3,4219	3,4219
13,151	3,4209	3,4209	3,4209
13,161	3,4199	3,4199	3,4199
13,171	3,419	3,419	3,419
13,182	3,418	3,418	3,418
13,192	3,417	3,417	3,417
13,202	3,4161	3,4161	3,4161
13,212	3,4151	3,4151	3,4151
13,222	3,4142	3,4142	3,4142
13,232	3,4132	3,4132	3,4132
13,242	3,4123	3,4123	3,4123
13,252	3,4113	3,4113	3,4113
13,262	3,4104	3,4104	3,4104
13,272	3,4094	3,4094	3,4094
13,282	3,4085	3,4085	3,4085
13,293	3,4075	3,4075	3,4075
13,303	3,4066	3,4066	3,4066
13,313	3,4057	3,4057	3,4057
13,323	3,4047	3,4047	3,4047
13,333	3,4038	3,4038	3,4038
13,343	3,4029	3,4029	3,4029
13,353	3,402	3,402	3,402
13,363	3,4011	3,4011	3,4011
13,373	3,4002	3,4002	3,4002
13,383	3,3992	3,3992	3,3992
13,393	3,3983	3,3983	3,3983
13,404	3,3974	3,3974	3,3974
13,414	3,3965	3,3965	3,3965
13,424	3,3956	3,3956	3,3956
13,434	3,3947	3,3947	3,3947
13,444	3,3939	3,3939	3,3939
13,454	3,393	3,393	3,393
13,464	3,3921	3,3921	3,3921
13,474	3,3912	3,3912	3,3912
13,484	3,3903	3,3903	3,3903
13,494	3,3894	3,3894	3,3894
13,504	3,3886	3,3886	3,3886
13,515	3,3877	3,3877	3,3877
13,525	3,3868	3,3868	3,3868
13,535	3,386	3,386	3,386
13,545	3,3851	3,3851	3,3851
13,555	3,3843	3,3843	3,3843
13,565	3,3834	3,3834	3,3834
13,575	3,3826	3,3826	3,3826
13,585	3,3817	3,3817	3,3817
13,595	3,3809	3,3809	3,3809
13,605	3,38	3,38	3,38
13,615	3,3792	3,3792	3,3792
13,625	3,3784	3,3784	3,3784
13,636	3,3775	3,3775	3,3775
13,646	3,3767	3,3767	3,3767
13,656	3,3759	3,3759	3,3759
13,666	3,3751	3,3751	3,3751
13,676	3,3743	3,3743	3,3743
13,686	3,3735	3,3735	3,3735
13,696	3,3727	3,3727	3,3727
13,706	3,3718	3,3718	3,3718
13,716	3,371	3,371	3,371
13,726	3,3703	3,3703	3,3703
13,736	3,3695	3,3695	3,3695
13,747	3,3687	3,3687	3,3687
13,757	3,3679	3,3679	3,3679
13,767	3,3671	3,3671	3,3671
13,777	3,3663	3,3663	3,3663
13,787	3,3656	3,3656	3,3656
13,797	3,3648	3,3648	3,3648
13,807	3,364	3,364	3,364
13,817	3,3633	3,3633	3,3633
13,827	3,3625	3,3625	3,3625
13,837	3,3617	3,3617	3,3617
13,847	3,361	3,361	3,361
13,858	3,3602	3,3602	3,3602
13,868	3,3595	3,3595	3,3595
13,878	3,3588	3,3588	3,3588
13,888	3,358	3,358	3,358
13,898	3,3573	3,3573	3,3573
13,908	3,3566	3,3566	3,3566
13,918	3,3558	3,3558	3,3558
13,928	3,3551	3,3551	3,3551
13,938	3,3544	3,3544	3,3544
13,948	3,3537	3,3537	3,3537

	3,353	3,353	3,353
13,968	3,3523	3,3523	3,3523
13,979	3,3516	3,3516	3,3516
13,989	3,3509	3,3509	3,3509
13,999	3,3502	3,3502	3,3502
14,	3,3501	3,3501	3,3501
14,01	3,3527	3,3527	3,3527
14,02	3,352	3,352	3,352
14,03	3,3514	3,3514	3,3514
14,04	3,3508	3,3508	3,3508
14,05	3,3502	3,3502	3,3502
14,061	3,3496	3,3496	3,3496
14,071	3,349	3,349	3,349
14,081	3,3484	3,3484	3,3484
14,091	3,3477	3,3477	3,3477
14,101	3,3472	3,3472	3,3472
14,111	3,3466	3,3466	3,3466
14,121	3,346	3,346	3,346
14,131	3,3454	3,3454	3,3454
14,141	3,3448	3,3448	3,3448
14,151	3,3442	3,3442	3,3442
14,161	3,3437	3,3437	3,3437
14,172	3,3431	3,3431	3,3431
14,182	3,3425	3,3425	3,3425
14,192	3,342	3,342	3,342
14,202	3,3414	3,3414	3,3414
14,212	3,3409	3,3409	3,3409
14,222	3,3403	3,3403	3,3403
14,232	3,3398	3,3398	3,3398
14,242	3,3392	3,3392	3,3392
14,252	3,3387	3,3387	3,3387
14,262	3,3382	3,3382	3,3382
14,272	3,3376	3,3376	3,3376
14,282	3,3371	3,3371	3,3371
14,293	3,3366	3,3366	3,3366
14,303	3,3361	3,3361	3,3361
14,313	3,3356	3,3356	3,3356
14,323	3,3351	3,3351	3,3351
14,333	3,3346	3,3346	3,3346
14,343	3,3341	3,3341	3,3341
14,353	3,3336	3,3336	3,3336
14,363	3,3331	3,3331	3,3331
14,373	3,3326	3,3326	3,3326
14,383	3,3321	3,3321	3,3321
14,393	3,3317	3,3317	3,3317
14,404	3,3312	3,3312	3,3312
14,414	3,3307	3,3307	3,3307
14,424	3,3303	3,3303	3,3303
14,434	3,3298	3,3298	3,3298
14,444	3,3294	3,3294	3,3294
14,454	3,3289	3,3289	3,3289
14,464	3,3285	3,3285	3,3285
14,474	3,328	3,328	3,328
14,484	3,3276	3,3276	3,3276
14,494	3,3272	3,3272	3,3272
14,504	3,3267	3,3267	3,3267
14,514	3,3263	3,3263	3,3263
14,525	3,3259	3,3259	3,3259
14,535	3,3255	3,3255	3,3255
14,545	3,3251	3,3251	3,3251
14,555	3,3247	3,3247	3,3247
14,565	3,3243	3,3243	3,3243
14,575	3,3239	3,3239	3,3239
14,585	3,3235	3,3235	3,3235
14,595	3,3231	3,3231	3,3231
14,605	3,3227	3,3227	3,3227
14,615	3,3223	3,3223	3,3223
14,625	3,322	3,322	3,322
14,635	3,3216	3,3216	3,3216
14,646	3,3212	3,3212	3,3212
14,656	3,3209	3,3209	3,3209
14,666	3,3205	3,3205	3,3205
14,676	3,3202	3,3202	3,3202
14,686	3,3198	3,3198	3,3198
14,696	3,3195	3,3195	3,3195
14,706	3,3191	3,3191	3,3191
14,716	3,3188	3,3188	3,3188
14,726	3,3185	3,3185	3,3185
14,736	3,3182	3,3182	3,3182
14,746	3,3178	3,3178	3,3178
14,756	3,3175	3,3175	3,3175
14,767	3,3172	3,3172	3,3172
14,777	3,3169	3,3169	3,3169
14,787	3,3166	3,3166	3,3166
14,797	3,3163	3,3163	3,3163
14,807	3,316	3,316	3,316
14,817	3,3157	3,3157	3,3157

	3,3155	3,3155	3,3155
14,837	3,3152	3,3152	3,3152
14,847	3,3149	3,3149	3,3149
14,857	3,3146	3,3146	3,3146
14,867	3,3144	3,3144	3,3144
14,877	3,3141	3,3141	3,3141
14,887	3,3139	3,3139	3,3139
14,898	3,3136	3,3136	3,3136
14,908	3,3134	3,3134	3,3134
14,918	3,3131	3,3131	3,3131
14,928	3,3129	3,3129	3,3129
14,938	3,3127	3,3127	3,3127
14,948	3,3125	3,3125	3,3125
14,958	3,3122	3,3122	3,3122
14,968	3,312	3,312	3,312
14,978	3,3118	3,3118	3,3118
14,988	3,3116	3,3116	3,3116
14,998	3,3114	3,3114	3,3114
15,			

## Material Data

### MusculoAnt

**TABLE 47**  
**MusculoAnt > Constants**

Density	1,06e-009 tonne mm <sup>-3</sup>
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**TABLE 48**  
**MusculoAnt > Color**

Red	Green	Blue
181,	155,	130,

**TABLE 49**  
**MusculoAnt > Isotropic Elasticity**

Young's Modulus MPa	Poisson's Ratio	Bulk Modulus MPa	Shear Modulus MPa	Temperature C
1,e-001	0,4	0,16667	3,5714e-002	

### Stainless Steel NL

**TABLE 50**  
**Stainless Steel NL > Constants**

Density	7,75e-009 tonne mm <sup>-3</sup>
Specific Heat	4,8e+008 mJ tonne <sup>-1</sup> C <sup>-1</sup>

**TABLE 51**  
**Stainless Steel NL > Isotropic Elasticity**

Young's Modulus MPa	Poisson's Ratio	Bulk Modulus MPa	Shear Modulus MPa	Temperature C
1,93e+005	0,31	1,693e+005	73664	

**TABLE 52**  
**Stainless Steel NL > Bilinear Isotropic Hardening**

Yield Strength MPa	Tangent Modulus MPa	Temperature C
210,	1800,	

**TABLE 53**  
**Stainless Steel NL > Color**

Red	Green	Blue
235,	209,	184,

### PielOgden

**TABLE 54**  
**PielOgden > Constants**

Density	2,2e-009 tonne mm <sup>-3</sup>
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**TABLE 55**  
**PielOgden > Color**

Red	Green	Blue
181,	194,	156,

**TABLE 56**  
**PielOgden > Prony Shear Relaxation**

Index i	Relative Moduli(i)	Relaxation Time(i) s	Temperature C
1,	0,3398	1,685	

**TABLE 57**  
**PielOgden > Ogden 1st Order**

Material Constant MU1 MPa	Material Constant A1	Incompressibility Parameter D1 MPa <sup>-1</sup>	Temperature C
9,6e-003	35,993	55,556	