



СУПЕРКОМПЬЮТЕРНЫЙ ЦЕНТР
Южно-Уральского государственного университета

Пакет инженерного анализа DEFORM

Лабораторные работы:
передача файлов на кластер и получение результатов расчёта

1. Копирование базы данных задачи на кластер



Корзина Notepad++ virtual PC

Adobe Reader 8 OpenOffice... 3.0 winscp

eclipse Opera Microsoft Visual Stud...

Far Manager Paint.NET

GIMP 2 PHP Expert Editor

Google Chro... putty

IrfanView Restart Denwer

Lazarus StarDict

Mozilla Firefox Start Denwer

NetBeans IDE 6.5.1 Stop Denwer

пример MPI

Log On to Windows




Microsoft
Windows Server 2003
Compute Cluster Edition

Copyright © 1985-2003 Microsoft Corporation Microsoft

User name: _____
Password: _____

EN

Log On to Windows



Microsoft
Windows Server 2003
Compute Cluster Edition

Copyright © 1985-2003 Microsoft Corporation Microsoft

User name:

Password:

EN



My Documents



My Computer



My Network Places



Recycle Bin



Adobe Reader
9



Mozilla Firefox

My Documents

My Computer

My Network Places

Recycle Bin

Adobe Reader 9

Mozilla Firefox

My Computer

File Edit View Favorites Tools Help

Back Search Folders Go

Address My Computer Go

System Tasks

- View system information
- Add or remove programs
- Change a setting

Other Places

- My Network Places
- My Documents
- Control Panel

Details

My Computer
System Folder

Hard Disk Drives

- Local Disk (C:)

Devices with Removable Storage

- Removable Disk (D:)
- CD Drive (E:)

Other

- C on PC12

My Documents

My Computer

My Network Places

Recycle Bin

Adobe Reader 9

Mozilla Firefox

Local Disk (C:)

File Edit View Favorites Tools Help

Back Search Folders

Address C:\

System Tasks

- Hide the contents of this drive
- Add or remove programs
- Search for files or folders

File and Folder Tasks

- Make a new folder
- Publish this folder to the Web

Other Places

- My Computer
- My Documents
- My Network Places

Details

c74d4843768467e06118ed4a... CAEConstructor

DEFORM3D Documents and Settings

Inetpub Install

Program Files Program Files (x86)

Software WINDOWS

wmpub msizap
Windows® Installer Data Zapper
Microsoft Corporation

My Documents

My Computer

My Network Places

Recycle Bin

Adobe Reader

Mozilla Firefox

DEFORM3D

File Edit View Favorites Tools Help

Back Search Folders

Address C:\DEFORM3D Go

File and Folder Tasks

- Make a new folder
- Publish this folder to the Web

Other Places

- Local Disk (C:)
- My Documents
- My Computer
- My Network Places

Details

PROBLEM

UserDataLib

DEF_MAIL
Configuration Settings
1 KB

DEFORM3D
415 x 524
PNG Image

DEFORM3D.PROB
PROB File
1 KB

V6_1

My Documents

My Computer

My Network Places

Recycle Bin

Adobe Reader

Mozilla Firefox

PROBLEM

File Edit View Favorites Tools Help

Back Search Folders

Address C:\DEFORM3D\PROBLEM Go

File and Folder Tasks

- Make a new folder
- Publish this folder to the Web

Other Places

- DEFORM3D
- My Documents
- My Computer
- My Network Places

Details

Heating

Seminar

DEFORM3D.PROB
PROB File
1 KB

My Documents



My Computer

My Network Places

Recycle Bin

Adobe Reader 9

Mozilla Firefox

Seminar

File Edit View Favorites Tools Help

Back Search Folders

Address C:\DEFORM3D\PROBLEM\Seminar Go




File and Folder Tasks

- Make a new folder
- Publish this folder to the Web

Other Places

- PROBLEM
- My Documents
- My Computer
- My Network Places

Details

	DEF_MPIenv DAT File 1 KB		DEF_MPIp4penv DAT File 1 KB
	DEFORM3D.PROB PROB File 1 KB		

My Documents

My Computer

My Network Places

Recycle Bin

Adobe Reader

Mozilla Firefox

Seminar

My Computer

File Edit View Favorites Tools Help

Address My Computer

System Tasks

- View system information
- Add or remove programs
- Change a setting

Other Places

- My Network Places
- My Documents
- Control Panel

Details

My Computer
System Folder

Hard Disk Drives

- Local Disk (C:)

Devices with Removable Storage

- Removable Disk (D:)
- CD Drive (E:)

Other

- C on PC12

My Documents

My Computer

My Network Places

Recycle Bin

Adobe Reader 9

Mozilla Firefox

Seminar

C on PC12

File Edit View Favorites Tools Help

Back Search Folders

Address C on PC12 Go

Other Places

- My Computer
- My Documents
- My Network Places

Details

ABAQUS	asm
DEFORM2D	DEFORM3D
DEFORM_F3	FPC
I Want to Believe	IBM
IDE	immersion12
lazarus	localtexmf
ls-dyna	MinGW
Program Files	Temp
texmf	Users

My Documents

My Computer

My Network Places

Recycle Bin

Adobe Reader

Mozilla Firefox

Seminar

DEFORM3D

File Edit View Favorites Tools Help

Back Forward Stop Search Folders

Address: \\tsclient\C\DEFORM3D

File and Folder Tasks

- Make a new folder
- Publish this folder to the Web

Other Places

- C on PC12
- My Documents
- My Computer
- My Network Places

Details

PROBLEM

UserDataLib

V6_1

My Documents

My Computer

My Network Places

Recycle Bin

Adobe Reader 9

Mozilla Firefox

Seminar

PROBLEM

File Edit View Favorites Tools Help

Back Search Folders

Address Go

File and Folder Tasks

- Make a new folder
- Publish this folder to the Web

Other Places

- DEFORM3D
- My Documents
- My Computer
- My Network Places

immersion12

Details

Seminar

immersion12

File Edit View Favorites Tools Help

Back Search Folders

Address: \\tsclient\C\DEFORM3D\PROBLEM\immersion12

File and Folder Tasks

- Make a new folder
- Publish this folder to the Web

Other Places

- PROBLEM
- My Documents
- My Computer
- My Network Places

Details

dbg_surf.2 2 File 11 KB	DEF_MAIL Configuration Settings 1 KB
DEFORM3D.PROB PROB File 1 KB	DENSTY.DST DST File 1 KB
frgen3d.diag.p0001 P0001 File 1 KB	immersion12 Data Base File 238 KB
immersion12 415 x 524 PNG Image	meshqual.diag DIAG File 51 KB
surf.3 3 File 6 KB	surf.4 4 File 2 KB
surf.5 5 File 74 KB	surf.6 6 File 2 KB

Seminar

immersion12

File Edit View Favorites Tools Help

Back Search Folders Go

Address: \\tsclient\C\DEFORM3D\PROBLEM\immersion12

File and Folder Tasks

- Rename this file
- Move this file
- Copy this file
- Publish this file to the Web
- E-mail this file
- Delete this file

Other Places

- PROBLEM
- My Documents
- My Computer
- My Network Places

Details

dbg_surf.2	2 File	11 KB	DEF_MAIL	Configuration Settings	1 KB
DEFORM3D.PROB	PROB File	1 KB	DENSTY.DST	DST File	1 KB
frgen3d.diag.p0001	P0001 File	1 KB	immersion12		
immersion12	415 x 524	PNG Image			
surf.3	3 File	6 KB			
surf.5	5 File	74 KB			

Context menu for immersion12:

- Open With...
- Добавить в архив...
- Добавить в архив "immersion12.rar"
- Добавить в архив и отправить по e-mail...
- Добавить в архив "immersion12.rar" и отправить по e-mail
- Send To
- Cut
- Copy**
- Create Shortcut
- Delete
- Rename
- Properties

Seminar

immersion12

File Edit View Favorites Tools Help

Back Search Folders

Address: \\tsclient\C\DEFORM3D\PROBLEM\immersion12

File and Folder Tasks

- Rename this file
- Move this file
- Copy this file
- Publish this file to the Web
- E-mail this file
- Delete this file

Other Places

- PROBLEM
- My Documents
- My Computer
- My Network Places

Details

dbg_surf.2 2 File 11 KB	DEF_MAIL Configuration Settings 1 KB
DEFORM3D.PROB PROB File 1 KB	DENSTY.DST DST File 1 KB
frgen3d.diag.p0001 P0001 File 1 KB	immersion12 Data Base File 238 KB
immersion12 415 x 524 PNG Image	meshqual.diag DIAG File 51 KB
surf.3 3 File 6 KB	surf.4 4 File 2 KB
surf.5 5 File 74 KB	surf.6 6 File 2 KB

My Documents

My Computer

My Network Places

Recycle Bin

Adobe Reader 9

Mozilla Firefox

Seminar

File Edit View Favorites Tools Help

Back Search Folders Go

Address C:\DEFORM3D\PROBLEM\Seminar





File and Folder Tasks

- Make a new folder
- Publish this folder to the Web

Other Places

- PROBLEM
- My Documents
- My Computer
- My Network Places

Details

	DEF_MPIenv DAT File 1 KB		DEF_MPIp4penv DAT File 1 KB
	DEFORM3D.PROB PROB File 1 KB		

Seminar

File Edit View Favorites Tools Help

Back Search Folders Go

Address C:\DEFORM3D\PROBLEM\Seminar

File and Folder Tasks

- Make a new folder
- Publish this folder to the Web

Other Places

- PROBLEM
- My Documents
- My Computer
- My Network Places

Details

DEF_MPIenv DAT File 1 KB

DEF_MPIp4penv DAT File 1 KB

DEFORM3D.PROB PROB File 1 KB

View

Arrange Icons By

Refresh

Customize This Folder...

Paste

Paste Shortcut

Undo Move Ctrl+Z

New

Properties

My Documents

My Computer

My Network Places

Recycle Bin

Adobe Reader

Mozilla Firefox

Seminar

File Edit View Favorites Tools Help

Back Search Folders Go

Address C:\DEFORM3D\PROBLEM\Seminar





File and Folder Tasks

- Rename this file
- Move this file
- Copy this file
- Publish this file to the Web
- E-mail this file
- Delete this file

Other Places

- PROBLEM
- My Documents
- My Computer
- My Network Places

Details

	DEF_MPIenv DAT File 1 KB		DEF_MPIp4penv DAT File 1 KB
	DEFORM3D.PROB PROB File 1 KB		immersion12 Data Base File 238 KB

2. Копирование базы данных задачи с кластера на рабочую станцию

Directory

- PROBLEM
 - Heating
 - Seminar

immersion12.DB

- DEF_MPlenv.DAT
- DEF_MPlp4penv.DAT
- DEFORM3D.PROB

```

TIME INCREMENT = 0.500000

TOTAL CPU TIME UP TO THIS STEP = 26.6220 (sec)
SUBTOTAL CPU TIME OF THIS STEP = 0.2500 (sec)

RESULT I/O 0.0470

CPU FOR DEFORMATION CALCULATIONS (sec)
INTERFACE GENERATION 0.0000 1
EQ. INDEXING PREPERATION 0.0000 0
STIFFNESS MATRIX GENERATION 0.0630 2
BOUNDARY CONDITION CAL. 0.0150 2
EQUATION SOLVING 0.0790 2
CONTACT TIME CALCULATION 0.0620 1
MESH CHECKS 0.0000 1
INSIDE/OUTSIDE CHECK 0.0000 0

STEP NUMBER = 100

DIRECT METHOD

ITERATION VELOCITY RELATIVE VELOCITY RELATIVE FORCE SOLVING TIME
NUMBER NORM ERROR NORM ERROR NORM (SEC)

1 0.5087142792E+04 0.2731617547E-02 0.5611706001E-02 0.062
2 0.5100802486E+04 0.2792678126E-03 0.2358347288E-02 0.047

Info: Program skipped over iterations due to rigid mode.

UPDATED TIME = 50.000000
TIME INCREMENT = 0.500000

TOTAL CPU TIME UP TO THIS STEP = 26.8870 (sec)
SUBTOTAL CPU TIME OF THIS STEP = 0.2650 (sec)

RESULT I/O 0.0470

CPU FOR DEFORMATION CALCULATIONS (sec)
INTERFACE GENERATION 0.0000 1
EQ. INDEXING PREPERATION 0.0000 0
STIFFNESS MATRIX GENERATION 0.0630 2
BOUNDARY CONDITION CAL. 0.0000 2
EQUATION SOLVING 0.1090 2
CONTACT TIME CALCULATION 0.0630 1
MESH CHECKS 0.0000 1
INSIDE/OUTSIDE CHECK 0.0000 0

NORMAL STOP: The assigned steps have been completed.
    
```

Auto update

Pre Processor

- [DEFORM-3D Pre Machining \(Cutting\)](#)
- [Forming](#)
- [Die Stress Analysis](#)
- [Coating](#)
- [Shape Rolling](#)
- [Ring Rolling](#)
- [Heat Treatment](#)

Tool

- [Inverse Heat](#)
- [Preform Wizard](#)

Simulator

- [Run](#)
- [Run \(options\)](#)
- [Stop](#)
- [Continue](#)
- [Process Monitor](#)
- [Simulation Graphics](#)

- [Batch Queue](#)
- [Add to Queue](#)

- [Run Remotely](#)
- [Remote Process Monitor](#)

- [Monitor Floating License](#)

Post Processor

- [DEFORM-3D Post Microstructure](#)

Explore Seminar

File Edit View Favorites Tools Help

Directory

Address C:\DEFORM3D\PROBLEM\Seminar

File and Folder Tasks

- Make a new folder
- Publish this folder to the Web

Other Places

- PROBLEM
- My Documents
- My Computer
- My Network Places

Details

DEF_MPIenv DAT File 1 KB	DEF_MPIp4penv DAT File 1 KB
DEFORM3D.PROB PROB File 1 KB	.p4p_tmp_01 P4P_TMP_01 File 41 KB
DEF_MAIL Configuration Settings 1 KB	.p4p_tmp_02 P4P_TMP_02 File 41 KB
.p4p_tmp_03 P4P_TMP_03 File 41 KB	CGINFO DAT File 21 KB
DEFARM.PPID PPID File 1 KB	immersion12 Data Base File 15 603 KB
immersion12.DEF_ARM_CTL_L... DEF_ARM_CTL_LOG File 1 KB	immersion12 Text Document 2 KB
immersion12 MSG File 123 KB	NEWEQ MSG File 18 KB
SIMUL MSG File 67 KB	REMESH Screen Saver 1 KB

h12

Memo

FORCE SOLVING TIME (SEC)

2	0.062
2	0.047

SUBTOTAL CPU TIME OF THIS STEP = 0.2650 (sec)

RESULT I/O 0.0470

CPU FOR DEFORMATION CALCULATIONS (sec)

INTERFACE GENERATION	0.0000	1
EQ. INDEXING PREPARATION	0.0000	0
STIFFNESS MATRIX GENERATION	0.0630	2
BOUNDARY CONDITION CAL.	0.0000	2
EQUATION SOLVING	0.1090	2
CONTACT TIME CALCULATION	0.0630	1
MESH CHECKS	0.0000	1
INSIDE/OUTSIDE CHECK	0.0000	0

NORMAL STOP: The assigned steps have been completed.

Pre Processor

- [DEFORM-3D Pre](#)
- [Machining \(Cutting\)](#)
- [Forming](#)
- [Die Stress Analysis](#)
- [Coating](#)
- [Shape Rolling](#)
- [Ring Rolling](#)
- [Heat Treatment](#)

Tool

- [Inverse Heat](#)
- [Preform Wizard](#)

Simulator

- [Run](#)
- [Run \(options\)](#)
- [Stop](#)
- [Continue](#)
- [Process Monitor](#)
- [Simulation Graphics](#)

- [Batch Queue](#)
- [Add to Queue](#)

- [Run Remotely](#)
- [Remote Process Monitor](#)
- [Monitor Floating License](#)

Post Processor

- [DEFORM-3D Post](#)
- [Microstructure](#)

Auto update Update

Explore Seminar

File Edit View Favorites Tools Help

Directory

Address C:\DEFORM3D\PROBLEM\Seminar

File and Folder Tasks

- Rename this file
- Move this file
- Copy this file
- Publish this file to the Web
- E-mail this file
- Delete this file

Other Places

- PROBLEM
- My Documents
- My Computer
- My Network Places

Details

DEF_MPIenv	DAT File	1 KB
DEFORM3D.PROB	PROB File	1 KB
DEF_MAIL	Configuration Settings	1 KB
.p4p_tmp_03	P4P_TMP_03 File	41 KB
DEFARM.PPID	PPID File	1 KB
immersion12.DEF_ARM_CTL_L...	DEF_ARM_CTL_LOG File	1 KB
immersion12	MSG File	123 KB
SIMUL	MSG File	67 KB
DEF_MPIp4penv	DAT File	1 KB
.p4p_tmp_01	P4P_TMP_01 File	41 KB
.p4p_tmp_02	P4P_TMP_02 File	41 KB
CGINFO	DAT File	21 KB
immersion12

Open With...

- Добавить в архив...
- Добавить в архив "immersion12.rar"
- Добавить в архив и отправить по e-mail...
- Добавить в архив "immersion12.rar" и отправить по e-mail
- Send To
- Cut
- Copy**
- Create Shortcut
- Delete
- Rename
- Properties

immersion12

Memo

PROB	SOLVING TIME (SEC)
0.062	0.047

SUBTOTAL CPU TIME OF THIS STEP = 0.2650 (sec)

RESULT I/O 0.0470

CPU FOR DEFORMATION CALCULATIONS (sec)

INTERFACE GENERATION	0.0000	1
EQ. INDEXING PREPARATION	0.0000	0
STIFFNESS MATRIX GENERATION	0.0630	2
BOUNDARY CONDITION CAL.	0.0000	2
EQUATION SOLVING	0.1090	2
CONTACT TIME CALCULATION	0.0630	1
MESH CHECKS	0.0000	1
INSIDE/OUTSIDE CHECK	0.0000	0

NORMAL STOP: The assigned steps have been completed.

Pre Processor

- DEFORM-3D Pre
- Machining (Cutting)
- Forming
- Die Stress Analysis
- Cogging
- Shape Rolling
- Ring Rolling
- Heat Treatment

Tool

- Inverse Heat
- Preform Wizard

Simulator

- Run
- Run (options)
- Stop
- Continue
- Process Monitor
- Simulation Graphics

- Batch Queue
- Add to Queue

- Run Remotely
- Remote Process Monitor
- Monitor Floating License

Post Processor

- DEFORM-3D Post
- Microstructure

Auto update Update

Explore Seminar

File Edit View Favorites Tools Help

Back Search Folders

Address C:\DEFORM3D\PROBLEM\Seminar

File and Folder Tasks

- Rename this file
- Move this file
- Copy this file
- Publish this file to the Web
- E-mail this file
- Delete this file

Other Places

- PROBLEM
- My Documents
- My Computer
- My Network Places

Details

DEF_MPIenv DAT File 1 KB	DEF_MPIp4penv DAT File 1 KB
DEFORM3D.PROB PROB File 1 KB	.p4p_tmp_01 P4P_TMP_01 File 41 KB
DEF_MAIL Configuration Settings 1 KB	.p4p_tmp_02 P4P_TMP_02 File 41 KB
.p4p_tmp_03 P4P_TMP_03 File 41 KB	CGINFO DAT File 21 KB
DEFARM.PPID PPID File 1 KB	Immersion12 Data Base File 15 603 KB
immersion12.DEF_ARM_CTL_L... DEF_ARM_CTL_LOG File 1 KB	immersion12 Text Document 2 KB
immersion12 MSG File 123 KB	NEWEQ MSG File 18 KB
SIMUL MSG File 67 KB	REMESH Screen Saver 1 KB

h12

Memo

ORCE SOLVING TIME
(SEC)

2	0.062
2	0.047

SUBTOTAL CPU TIME OF THIS STEP = 0.2650 (sec)

RESULT I/O 0.0470

CPU FOR DEFORMATION CALCULATIONS (sec)

INTERFACE GENERATION	0.0000	1
EQ. INDEXING PREPARATION	0.0000	0
STIFFNESS MATRIX GENERATION	0.0630	2
BOUNDARY CONDITION CAL.	0.0000	2
EQUATION SOLVING	0.1090	2
CONTACT TIME CALCULATION	0.0630	1
MESH CHECKS	0.0000	1
INSIDE/OUTSIDE CHECK	0.0000	0

NORMAL STOP: The assigned steps have been completed.

Pre Processor

- [DEFORM-3D Pre](#)
- [Machining \(Cutting\)](#)
- [Forming](#)
- [Die Stress Analysis](#)
- [Coating](#)
- [Shape Rolling](#)
- [Ring Rolling](#)
- [Heat Treatment](#)

Tool

- [Inverse Heat](#)
- [Preform Wizard](#)

Simulator

- [Run](#)
- [Run \(options\)](#)
- [Stop](#)
- [Continue](#)
- [Process Monitor](#)
- [Simulation Graphics](#)

- [Batch Queue](#)
- [Add to Queue](#)

- [Run Remotely](#)
- [Remote Process Monitor](#)
- [Monitor Floating License](#)

Post Processor

- [DEFORM-3D Post](#)
- [Microstructure](#)

Auto update

Explore Seminar

immersion12

File Edit View Favorites Tools Help

Back Search Folders Go

Address: \\tsclient\C\DEFORM3D\PROBLEM\immersion12

File and Folder Tasks

- Rename this file
- Move this file
- Copy this file
- Publish this file to the Web
- E-mail this file
- Delete this file

Other Places

- PROBLEM
- My Documents
- My Computer
- My Network Places

Details

dbg_surf.2 2 File 11 KB	DEF_MAIL Configuration Settings 1 KB
DEFORM3D.PROB PROB File 1 KB	DENSTY.DST DST File 1 KB
frgen3d.diag.p0001 P0001 File 1 KB	immersion12 Data Base File 238 KB
immersion12 415 x 524 PNG Image	meshqual.diag DIAG File 51 KB
surf.3 3 File 6 KB	surf.4 4 File 2 KB
surf.5 5 File 74 KB	surf.6 2 KB

Pre Processor

- [DEFORM-3D Pre Machining \(Cutting\)](#)
- [Forming](#)
- [Die Stress Analysis](#)
- [Coating](#)
- [Shape Rolling](#)
- [Ring Rolling](#)
- [Heat Treatment](#)

Tool

- [Inverse Heat](#)
- [Preform Wizard](#)

Simulator

- [Run](#)
- [Run \(options\)](#)
- [Stop](#)
- [Continue](#)
- [Process Monitor](#)
- [Simulation Graphics](#)

- [Batch Queue](#)
- [Add to Queue](#)

- [Run Remotely](#)
- [Remote Process Monitor](#)

[Monitor Floating License](#)

Post Processor

- [DEFORM-3D Post Microstructure](#)

E SOLVING TIME (SEC)

0.062

0.047

SUBTOTAL CPU TIME OF THIS STEP = 0.2650(sec)

RESULT I/O 0.0470

CPU FOR DEFORMATION CALCULATIONS (sec)

INTERFACE GENERATION	0.0000	1
EQ. INDEXING PREPERATION	0.0000	0
STIFFNESS MATRIX GENERATION	0.0630	2
BOUNDARY CONDITION CAL.	0.0000	2
EQUATION SOLVING	0.1090	2
CONTACT TIME CALCULATION	0.0630	1
MESH CHECKS	0.0000	1
INSIDE/OUTSIDE CHECK	0.0000	0

NORMAL STOP: The assigned steps have been completed.

Auto update

Explore Seminar

Directory immersion12

File Edit View Favorites Tools Help

Back Forward Search Folders

Address \\tsclient\C\DEFORM3D\PROBLEM\immersion12

File and Folder Tasks

- Make a new folder
- Publish this folder to the Web

Other Places

- PROBLEM
- My Documents
- My Computer
- My Network Places

Details

- dbg_surf.2
2 File
11 KB
- DEF_MAIL
Configuration Settings
1 KB
- DEFORM3D.PROB
PROB File
1 KB
- DENSTY.DST
DST File
1 KB
- frgen3d.diag.p0001
P0001 File
1 KB
- immersion12
Data Base File
238 KB
- immersion12
415 x 524
PNG Image
- meshqual.diag
DIAG File
51 KB
- surf.3
3 File
6 KB
- surf.4
4 File
2 KB
- surf.5
5 File
74 KB
- surf.6
6 File
2 KB

- View
- Arrange Icons By
- Refresh
- Customize This Folder...
- Paste**
- Paste shortcut
- Undo Copy Ctrl+Z
- New
- Properties

Pre Processor

- [DEFORM-3D Pre](#)
- [Machining \(Cutting\)](#)
- [Forming](#)
- [Die Stress Analysis](#)
- [Coating](#)
- [Shape Rolling](#)
- [Ring Rolling](#)
- [Heat Treatment](#)

Tool

- [Inverse Heat](#)
- [Preform Wizard](#)

Simulator

- [Run](#)
- [Run \(options\)](#)
- [Stop](#)
- [Continue](#)
- [Process Monitor](#)
- [Simulation Graphics](#)
- [Batch Queue](#)
- [Add to Queue](#)
- [Run Remotely](#)
- [Remote Process Monitor](#)
- [Monitor Floating License](#)

Post Processor

- [DEFORM-3D Post](#)
- [Microstructure](#)

SUBTOTAL CPU TIME OF THIS STEP = 0.2650(sec)

RESULT I/O 0.0470

CPU FOR DEFORMATION CALCULATIONS (sec)

INTERFACE GENERATION	0.0000	1
EQ. INDEXING PREPERATION	0.0000	0
STIFFNESS MATRIX GENERATION	0.0630	2
BOUNDARY CONDITION CAL.	0.0000	2
EQUATION SOLVING	0.1090	2
CONTACT TIME CALCULATION	0.0630	1
MESH CHECKS	0.0000	1
INSIDE/OUTSIDE CHECK	0.0000	0

NORMAL STOP: The assigned steps have been completed.

Auto update Update

Explore Seminar

immersion12

File Edit View Favorites Tools Help

Back Search Folders

Address

File and

- Make
- Publi: Web

Other Pl



- PROE
- My D
- My C
- My N

Details

Confirm File Replace

This folder already contains a file named 'immersion12'.

Would you like to replace the existing file

	237 KB modified: 24 июня 2009 г., 13:59:28
with this one?	
	15,2 MB modified: 24 июня 2009 г., 14:31:04

Yes No

Pre Processor

- [DEFORM-3D Pre Machining \[Cutting\]](#)
- [Forming](#)
- [Die Stress Analysis](#)
- [Coating](#)
- [Shape Rolling](#)
- [Ring Rolling](#)
- [Heat Treatment](#)

Tool

- [Inverse Heat](#)
- [Preform Wizard](#)

Simulator

- [Run](#)
- [Run \(options\)](#)
- [Stop](#)
- [Continue](#)
- [Process Monitor](#)
- [Simulation Graphics](#)

- [Batch Queue](#)
- [Add to Queue](#)

- [Run Remotely](#)
- [Remote Process Monitor](#)

- [Monitor Floating License](#)

Post Processor

- [DEFORM-3D Post Microstructure](#)

INTERFACE GENERATION	0.0000	1
EQ. INDEXING PREPARATION	0.0000	0
STIFFNESS MATRIX GENERATION	0.0630	2
BOUNDARY CONDITION CAL.	0.0000	2
EQUATION SOLVING	0.1090	2
CONTACT TIME CALCULATION	0.0630	1
MESH CHECKS	0.0000	1
INSIDE/OUTSIDE CHECK	0.0000	0

NORMAL STOP: The assigned steps have been completed.

Auto update Update



Закреть

Explore Seminar

File Edit View Favorites Tools Help

Directory

Back Search Folders

Address C:\DEFORM3D\PROBLEM\Seminar

Go

File and Folder Tasks

- Rename this file
- Move this file
- Copy this file
- Publish this file to the Web
- E-mail this file
- Delete this file

Other Places

- PROBLEM
- My Documents
- My Computer
- My Network Places

Details

DEF_MPIenv DAT File 1 KB	DEF_MPIp4penv DAT File 1 KB
DEFORM3D.PROB PROB File 1 KB	.p4p_tmp_01 P4P_TMP_01 File 41 KB
DEF_MAIL Configuration Settings 1 KB	.p4p_tmp_02 P4P_TMP_02 File 41 KB
.p4p_tmp_03 P4P_TMP_03 File 41 KB	CGINFO DAT File 21 KB
DEFARM.PPID PPID File 1 KB	Immersion12 Data Base File 15 603 KB
immersion12.DEF_ARM_CTL_L... DEF_ARM_CTL_LOG File 1 KB	immersion12 Text Document 2 KB
immersion12 MSG File 123 KB	NEWEQ MSG File 18 KB
SIMUL MSG File 67 KB	REMESH Screen Saver 1 KB

h12

Memo

ORCE SOLVING TIME
(SEC)

2	0.062
2	0.047

Pre Processor

- [DEFORM-3D Pre](#)
- [Machining \(Cutting\)](#)
- [Forming](#)
- [Die Stress Analysis](#)
- [Coating](#)
- [Shape Rolling](#)
- [Ring Rolling](#)
- [Heat Treatment](#)

Tool

- [Inverse Heat](#)
- [Preform Wizard](#)

Simulator

- [Run](#)
- [Run \(options\)](#)
- [Stop](#)
- [Continue](#)
- [Process Monitor](#)
- [Simulation Graphics](#)
- [Batch Queue](#)
- [Add to Queue](#)
- [Run Remotely](#)
- [Remote Process Monitor](#)
- [Monitor Floating License](#)

Post Processor

- [DEFORM-3D Post](#)
- [Microstructure](#)

Auto update Update

SUBTOTAL CPU TIME OF THIS STEP = 0.2650 (sec)

RESULT I/O 0.0470

CPU FOR DEFORMATION CALCULATIONS (sec)

INTERFACE GENERATION	0.0000	1
EQ. INDEXING PREPARATION	0.0000	0
STIFFNESS MATRIX GENERATION	0.0630	2
BOUNDARY CONDITION CAL.	0.0000	2
EQUATION SOLVING	0.1090	2
CONTACT TIME CALCULATION	0.0630	1
MESH CHECKS	0.0000	1
INSIDE/OUTSIDE CHECK	0.0000	0

NORMAL STOP: The assigned steps have been completed.

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File Edit View Favorites Tools Help

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File and Folder Tasks

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DEFARM.PPID PPID File 1 KB	Immersion12 Data Base File 15 603 KB
immersion12.DEF_ARM DEF_ARM_CTL_LOG File 1 KB	
immersion12 MSG File 123 KB	
SIMUL MSG File 67 KB	

Отключение сеанса служб терминалов

Сеанс служб терминалов будет отключен. Во время отключения программы будут выполняться. В дальнейшем можно будет восстановить подключение, повторно выполнив вход.

OK Отмена

Pre Processor

- DEFORM-3D Pre
- Machining (Cutting)
- Forming
- Die Stress Analysis
- Cogging
- Shape Rolling
- Ring Rolling
- Heat Treatment

Tool

- Inverse Heat
- Preform Wizard

Simulator

- Run
- Run (options)
- Stop
- Continue
- Process Monitor
- Simulation Graphics
- Batch Queue
- Add to Queue
- Run Remotely
- Remote Process Monitor
- Monitor Floating License

Post Processor

- DEFORM-3D Post
- Microstructure

ORCE SOLVING TIME (SEC)

0.062	0.047
-------	-------

SUBTOTAL CPU TIME OF THIS STEP = 0.2650 (sec)

RESULT I/O 0.0470

CPU FOR DEFORMATION CALCULATIONS (sec)

INTERFACE GENERATION	0.0000	1
EQ. INDEXING PREPARATION	0.0000	0
STIFFNESS MATRIX GENERATION	0.0630	2
BOUNDARY CONDITION CAL.	0.0000	2
EQUATION SOLVING	0.1090	2
CONTACT TIME CALCULATION	0.0630	1
MESH CHECKS	0.0000	1
INSIDE/OUTSIDE CHECK	0.0000	0

NORMAL STOP: The assigned steps have been completed.

Auto update Update

Korzina Notepad++ virtual PC

Adobe Reader 8 OpenOffice... 3.0 winscp

eclipse Opera Microsoft Visual Stud...

Far Manager Paint.NET

GIMP 2 PHP Expert Editor

Google Chro... putty

IfanView Restart Denwer

Lazarus StarDict

Mozilla Firefox Start Denwer

NetBeans IDE 6.5.1 Stop Denwer

SKIF-Ural

пример MPI