



Суперкомпьютерный центр ЮУрГУ

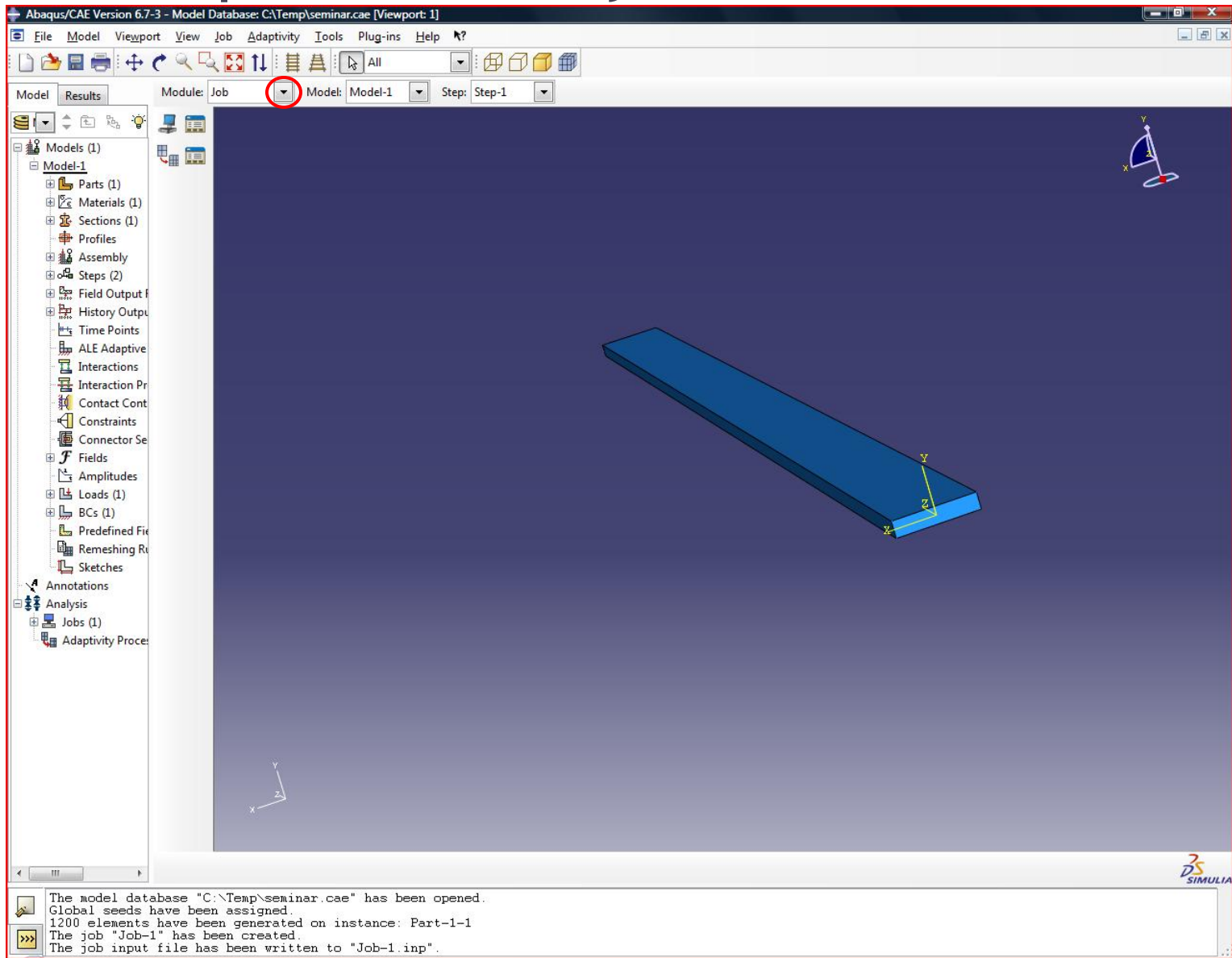
Визуализация результатов в пре/постпроцессоре Abaqus/CAE

**Моделирование статической линейной
задачи для трехмерного объекта на
примере изгиба консольно-закрепленной
балки в пакете ABAQUS**

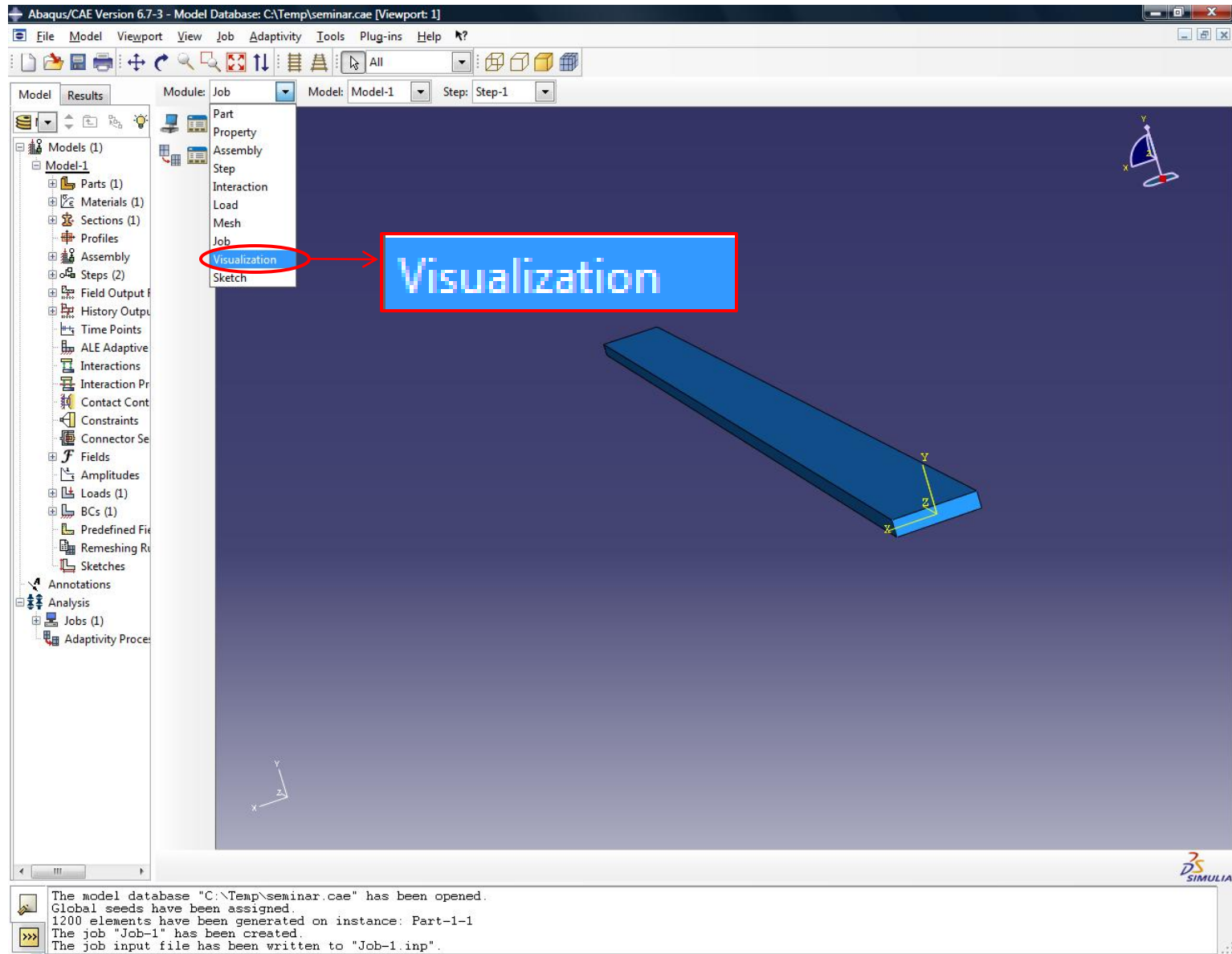
Открываем Abaqus/CAE



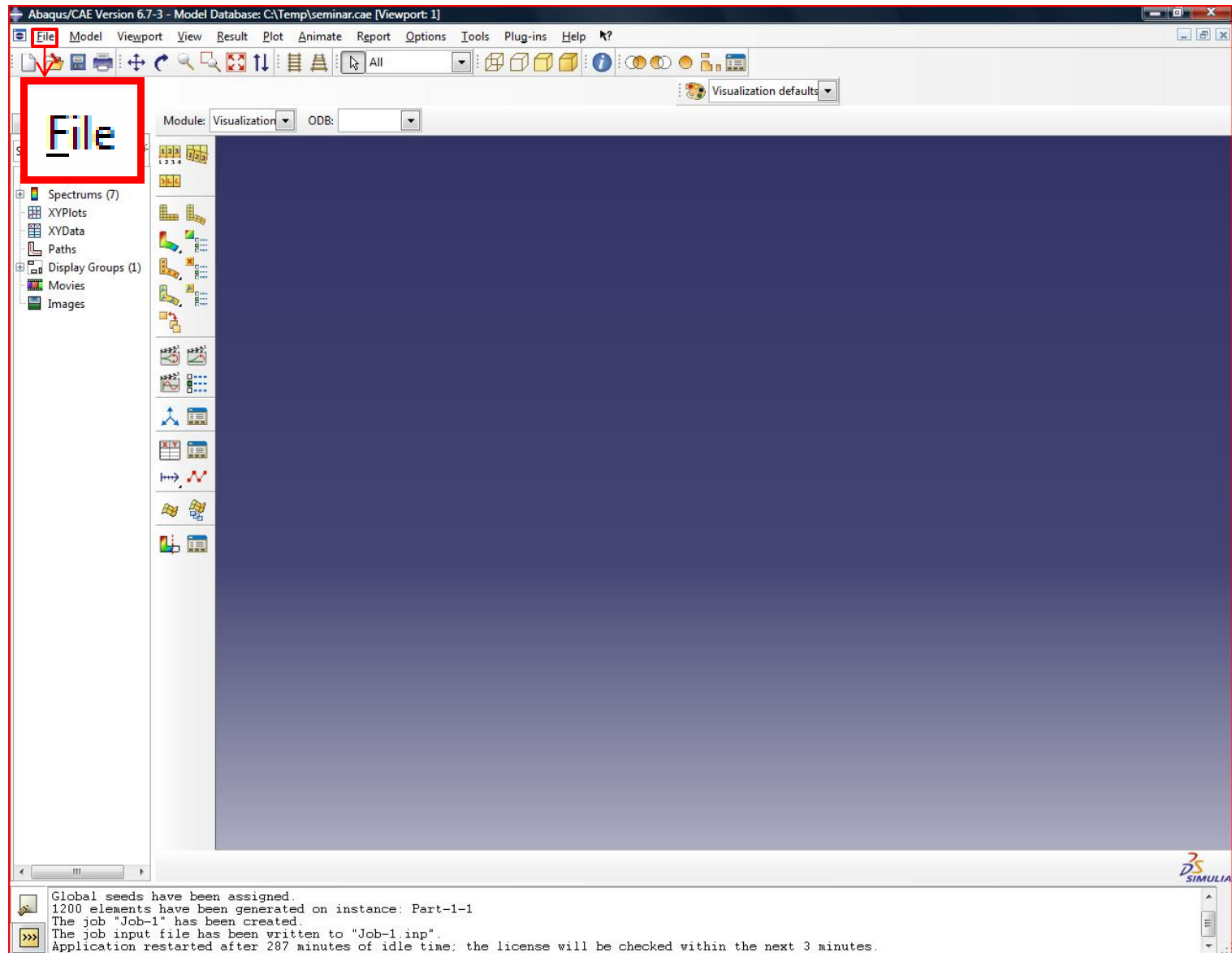
Переход в модуль Visualization



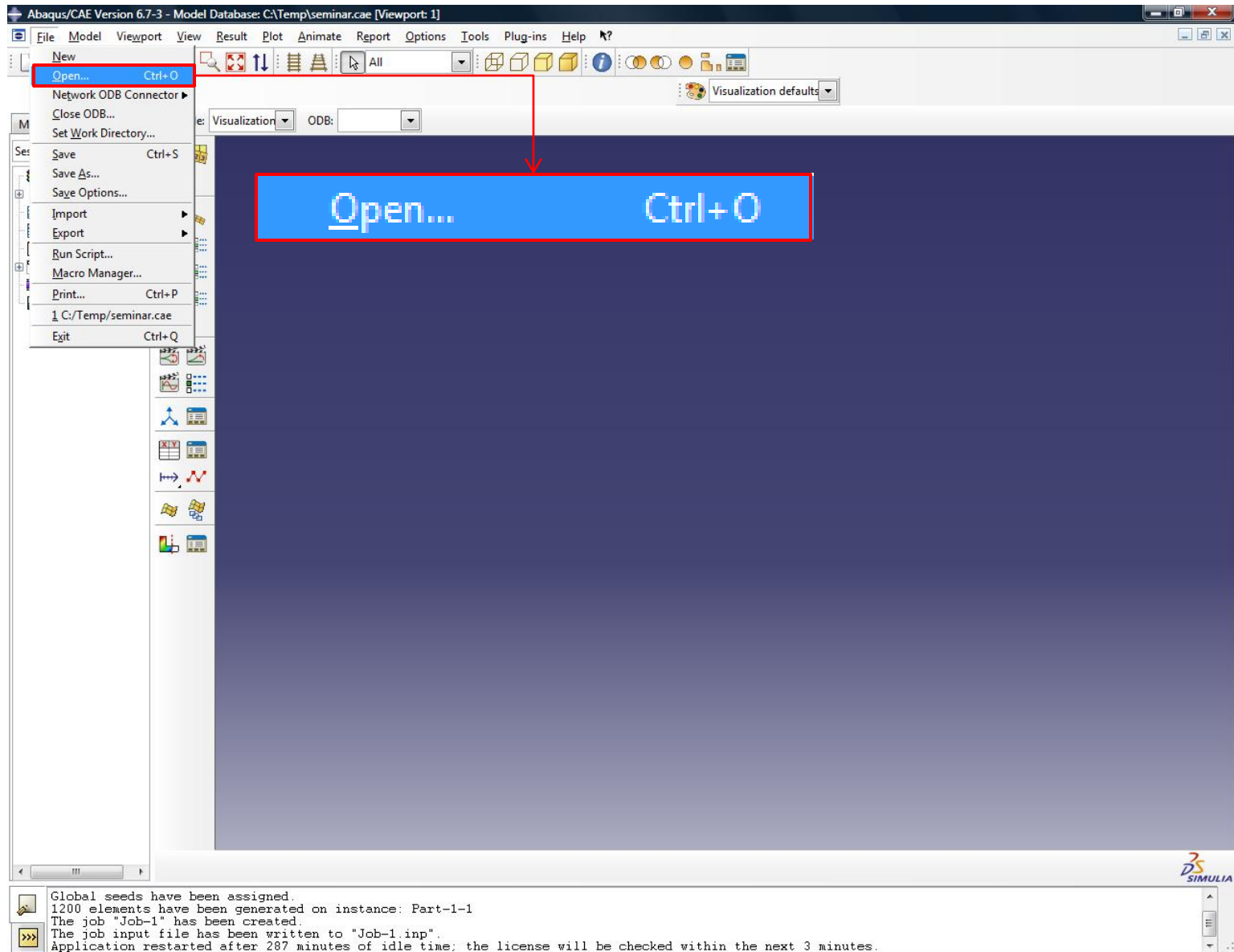
Просмотр результатов расчета в Abaqus/CAE



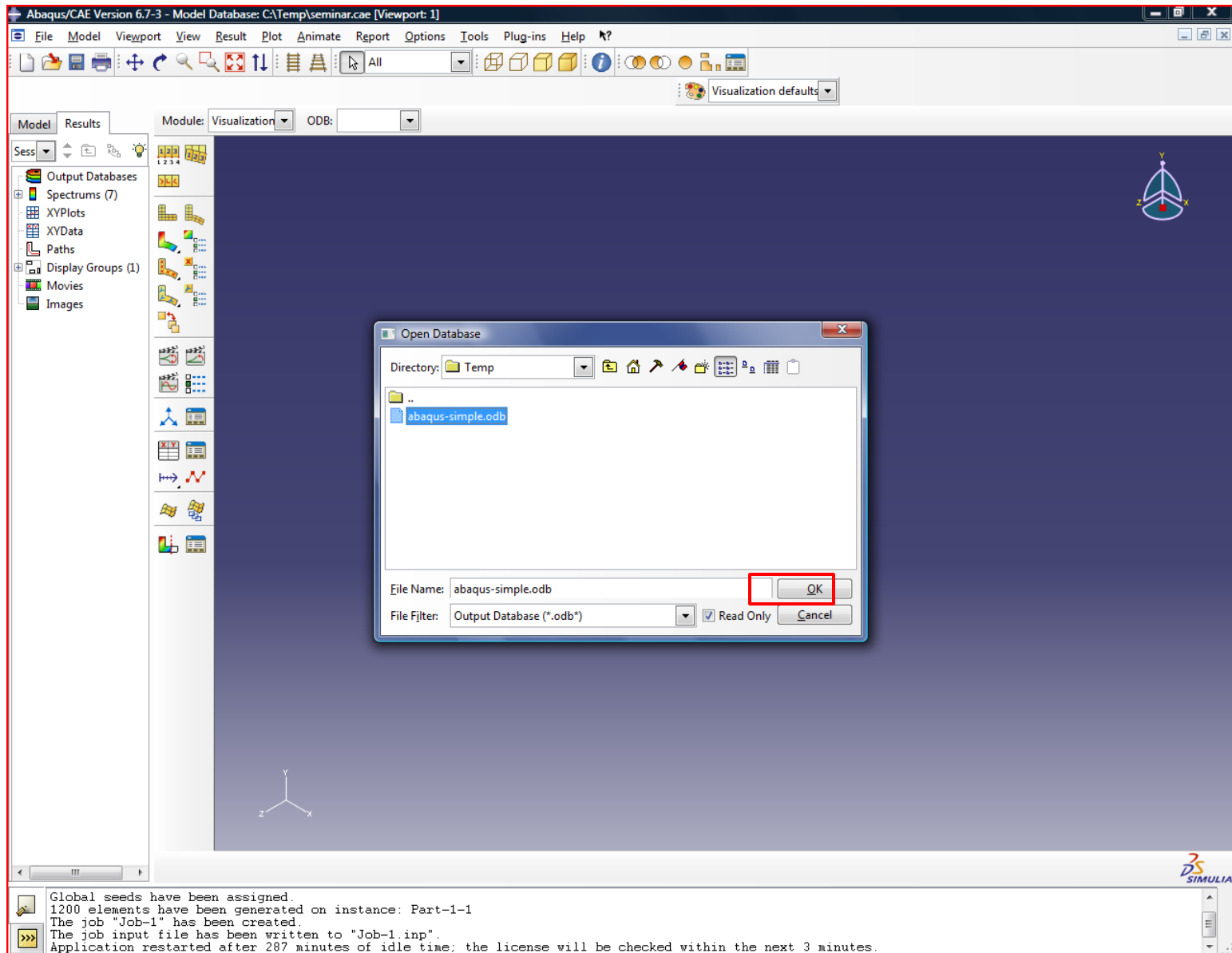
Просмотр результатов расчета в Abaqus/CAE



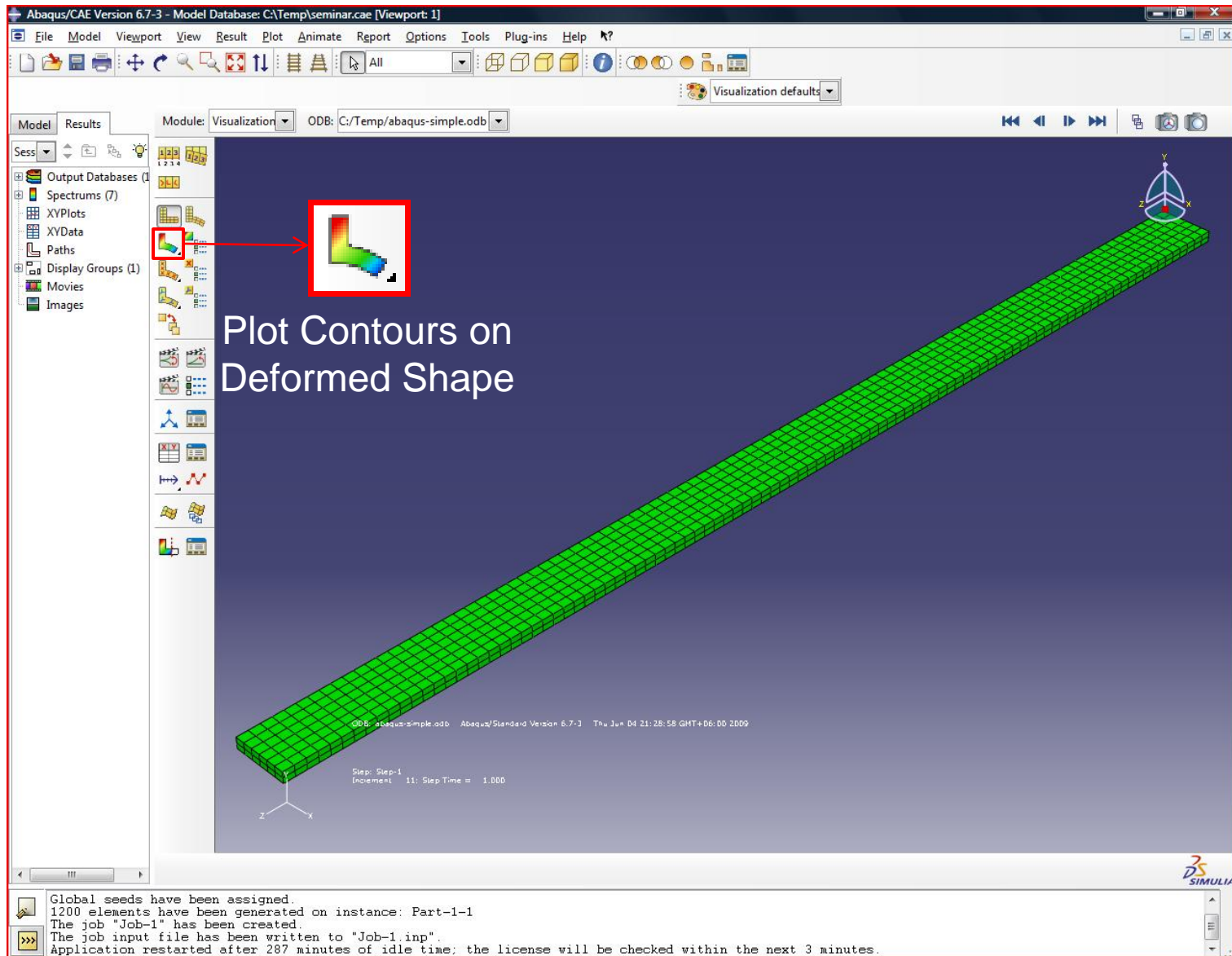
Просмотр результатов расчета в Abaqus/CAE



Просмотр результатов расчета в Abaqus/CAE



Просмотр результатов расчета в Abaqus/CAE



Просмотр результатов расчета в Abaqus/CAE

Abaqus/CAE Version 6.7-3 - Model Database: C:\Temp\seminar.cae [Viewport: 1]

File Model Viewport View Result Plot Animate Report Options Tools Plug-ins Help

Visualization defaults

Module: Visualization ODB: C:/Temp/abaqus-simple.odb

S, Mises (Avg: 75%)

+	4.819e+06
+	2.215e+06
+	1.857e+06
+	1.487e+06
+	1.083e+06
+	2.599e+05
+	2.315e+05
+	1.931e+05
+	1.547e+05
+	1.163e+05
+	7.792e+04
+	1.952e+04
+	1.125e+04

Animate: Scale Factor

Step: Step-1
Increment: 11; Step Time = 1.000
Primary Var: S, Mises
Deformed Var: U; Deformation Scale Factor: +1.000e+00

Global seeds have been assigned.
1200 elements have been generated on instance: Part-1-1
The job "Job-1" has been created.
The job input file has been written to "Job-1.inp".
Application restarted after 287 minutes of idle time; the license will be checked within the next 3 minutes.

Просмотр результатов расчета в Abaqus/CAE

Abaqus/CAE Version 6.7-3 - Model Database: C:\Temp\seminar.cae [Viewport: 1]

File Model Viewport View Result Plot Animate Report Options Tools Plug-ins Help

Module: Visualization ODB: C:/Temp/abaqus-simple.odb

Scale Factor: +0.14

S, Mass (Avg: 75%)

- +4.619e+06
- +2.24e+06
- +2.24e+06
- +1.464e+06
- +1.079e+06
- +2.695e+06
- +2.11e+06
- +0.21e+06
- +1.540e+06
- +1.155e+06
- +7.699e+05
- +3.589e+05
- +0.000e+00

Animation Options

Animation Options

ODB: abaqus-simple.odb Abaqus/Standard Version 6.7-3 Thu Jun 04 21:28:58 GMT+06:00 2009

Step: Step-1
Increment: 11; Step Time = 1.000
Primary Var: S, Mass
Deformed Var: U Deformation Scale Factor: +1.000e+00

Global seeds have been assigned.
1200 elements have been generated on instance: Part-1-1
The job "Job-1" has been created.
The job input file has been written to "Job-1.inp".
Application restarted after 287 minutes of idle time; the license will be checked within the next 3 minutes.

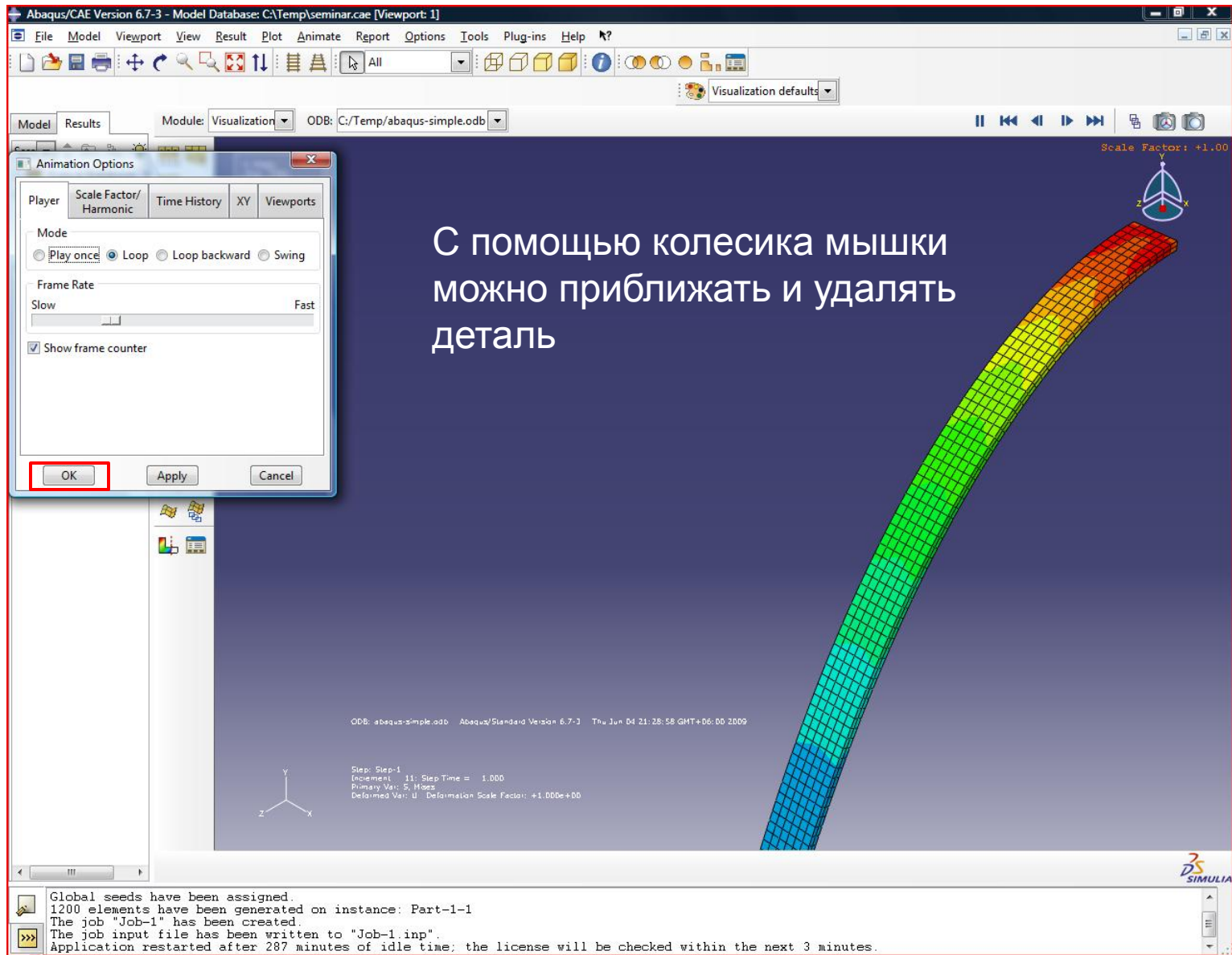
Просмотр результатов расчета в Abaqus/CAE

С помощью левой кнопки мыши подвинуть бегунок в сторону Slow

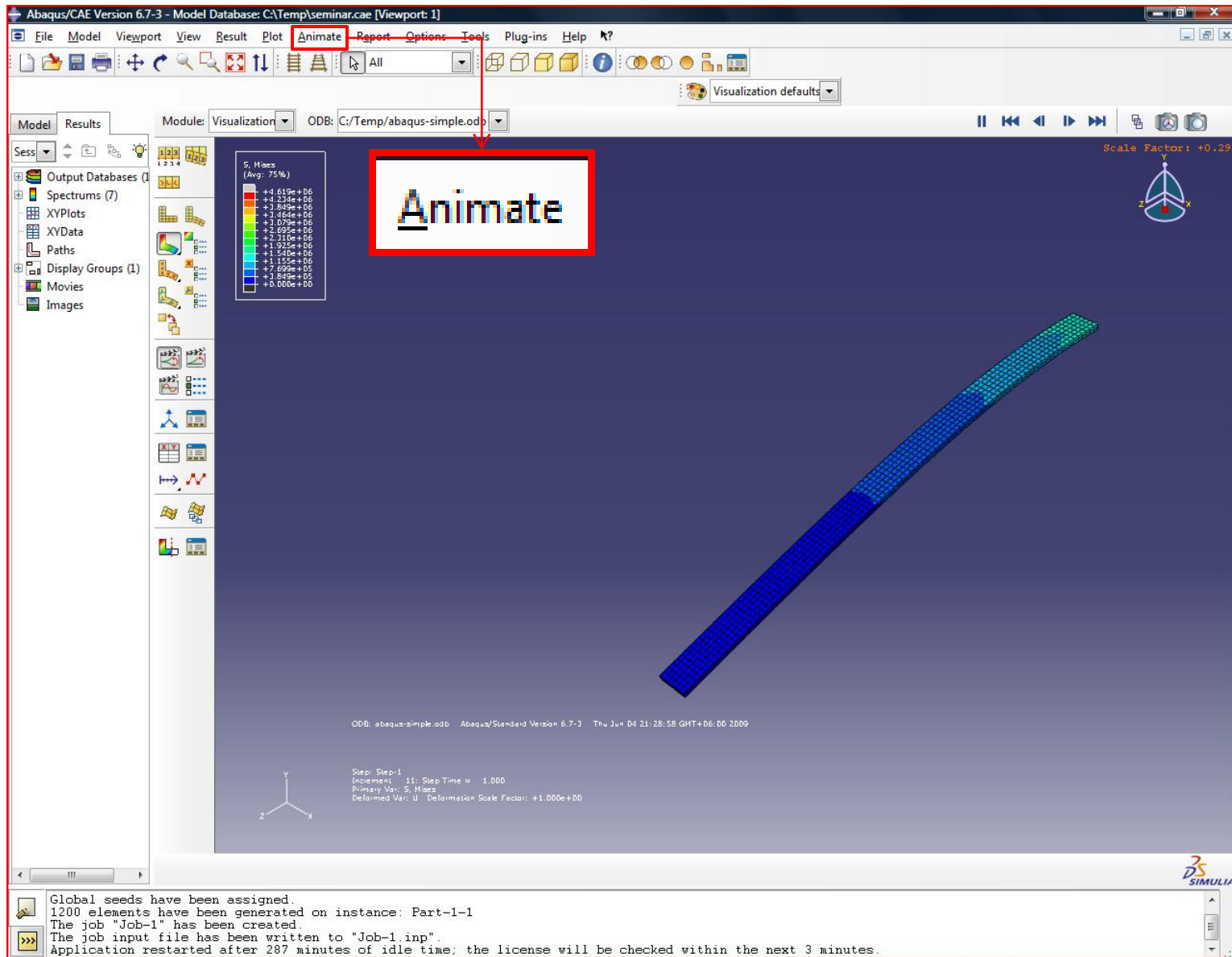
Frame Rate
Slow Fast

Global seeds have been assigned.
1200 elements have been generated on instance: Part-1-1
The job "Job-1" has been created.
The job input file has been written to "Job-1.inp".
Application restarted after 287 minutes of idle time; the license will be checked within the next 3 minutes.

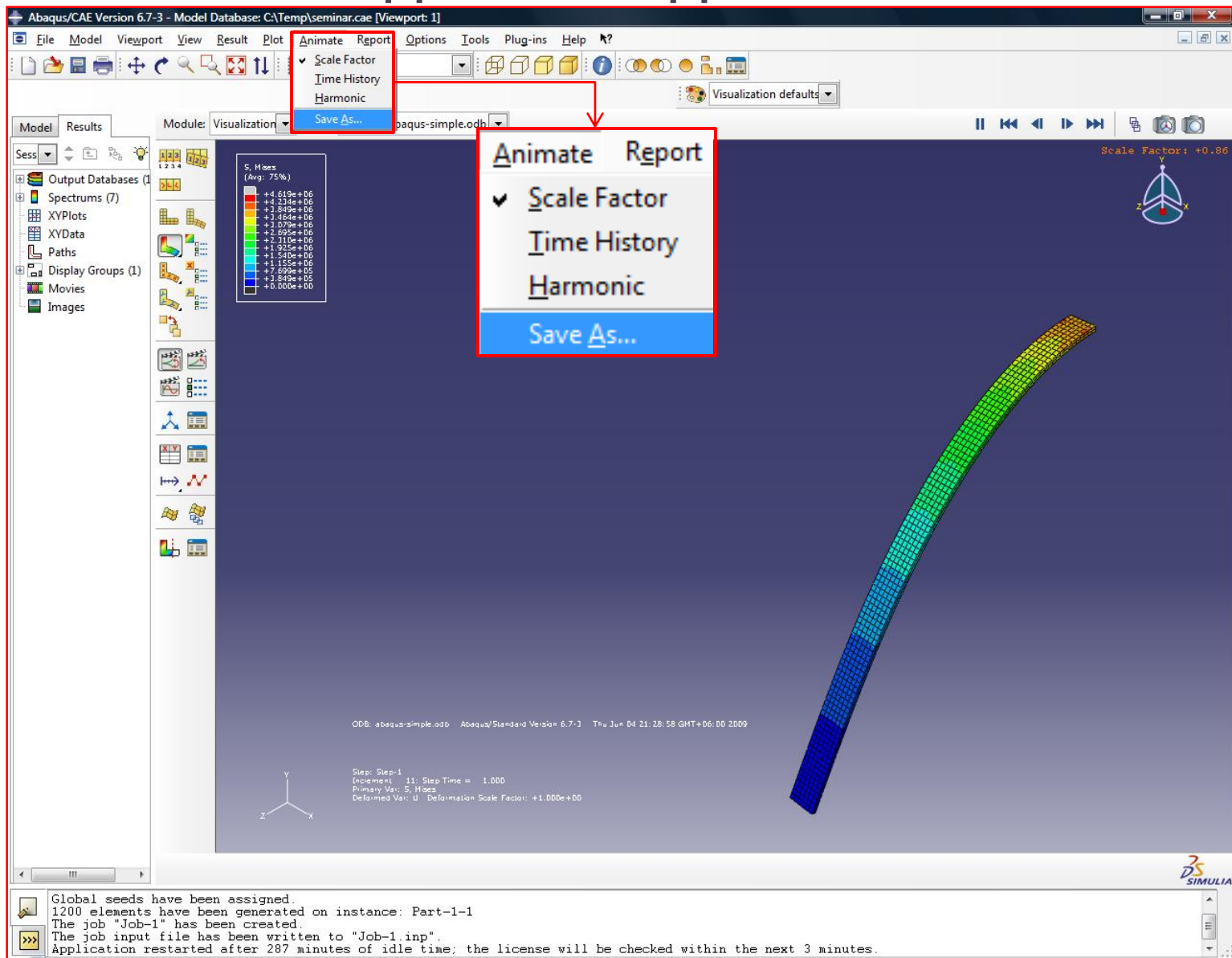
Просмотр результатов расчета в Abaqus/CAE



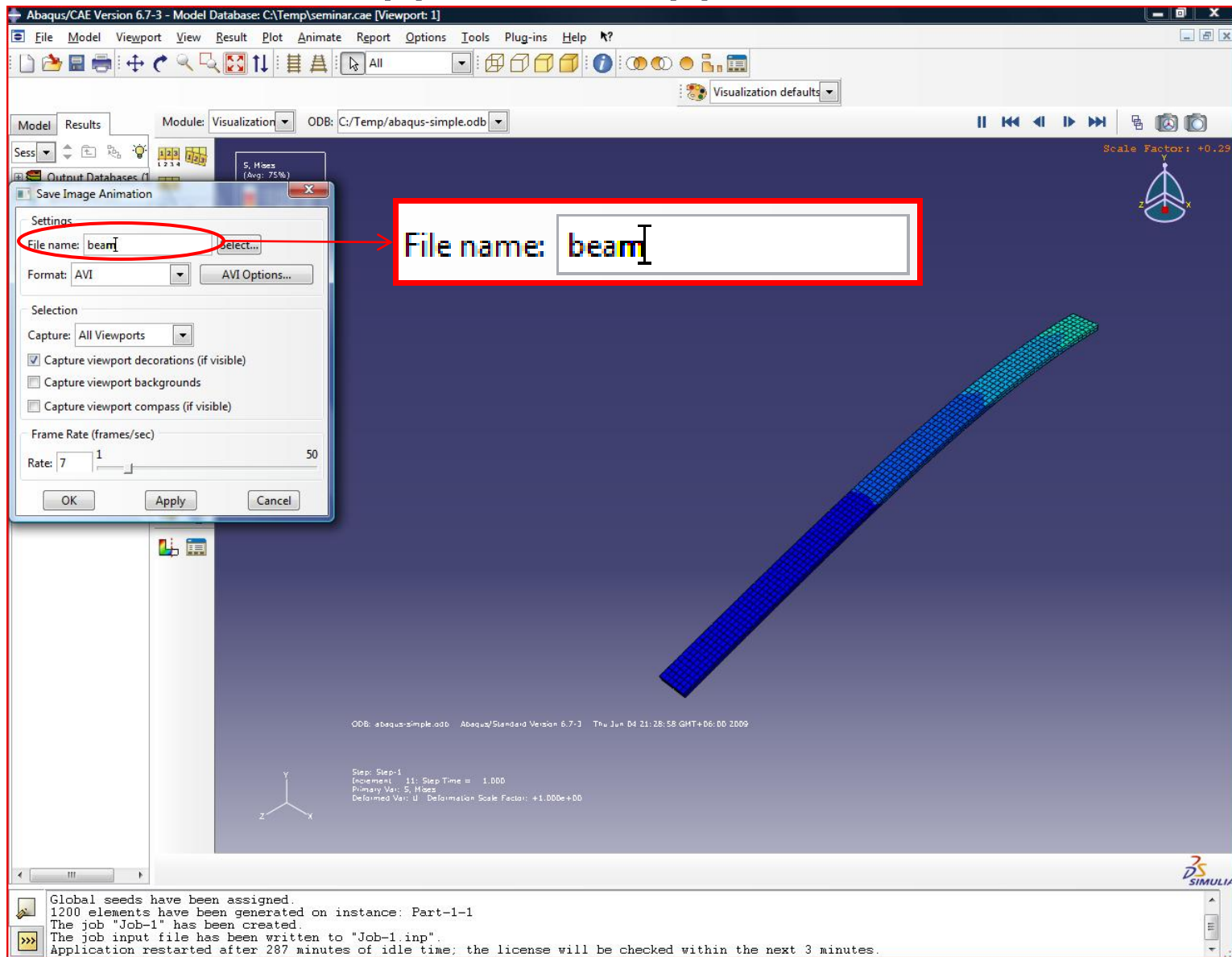
Создание видеоклипа



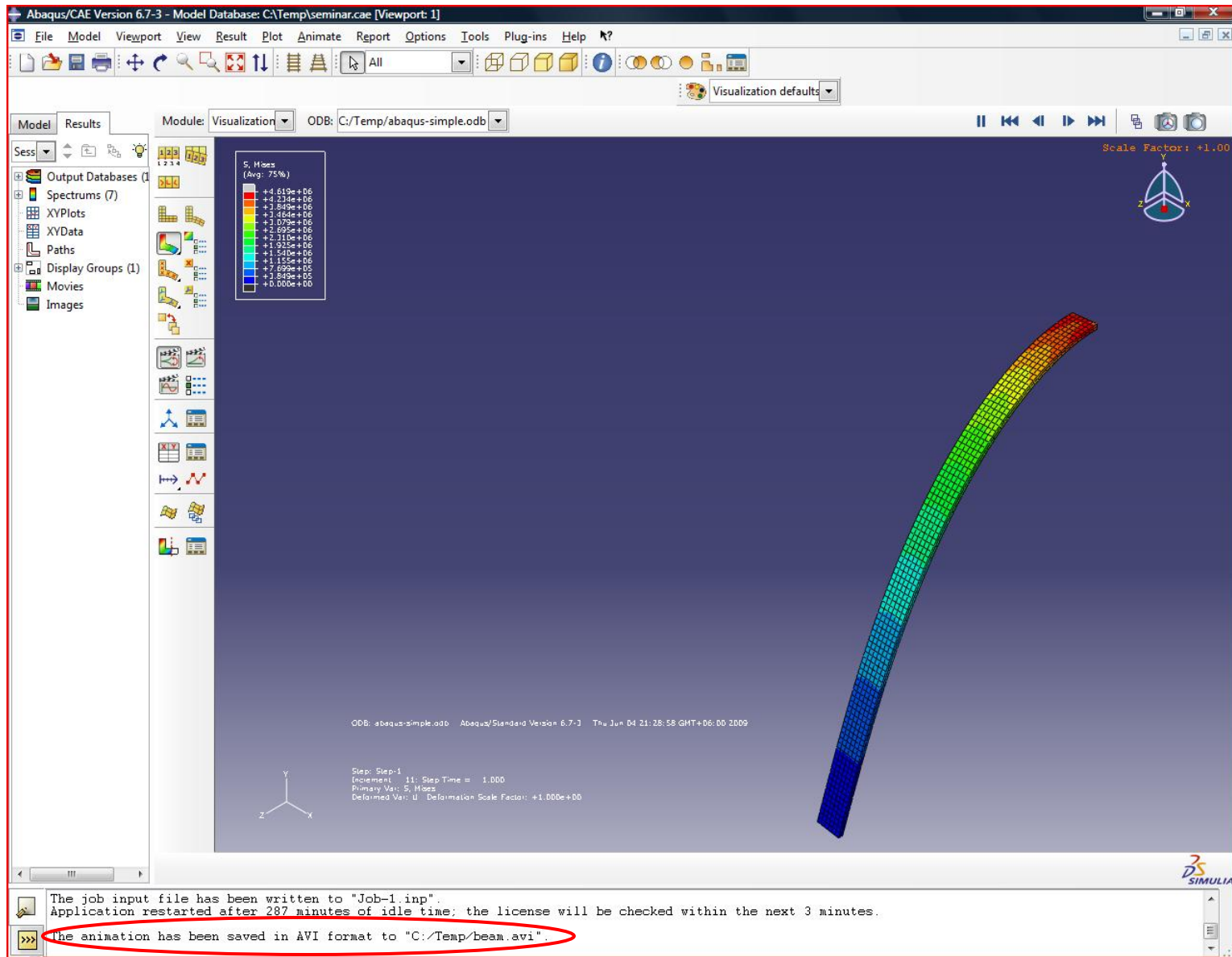
Создание видеоклипа



Создание видеоклипа



Создание видеоклипа



Создание видеоклипа

```
{C:\Temp} - Far

C:\Program Files\Far
n      Name
..
Addons
Documentation
Plugins
ClearPluginsCache.
Descript.ion
Far.exe
Far.ico
Far.Site.txt
FarEng.hlf
FarEng.lng
FarRus.hlf
FarRus.lng
File_id.diz
License.txt
License.xUSSR.txt
Readme.txt
register.frm
Evaluation version
..      Up      21.01.09 14:35
1,202,460 bytes in 19 files

C:\Temp
n      Name
..
abaqus.rpy
abaqus-simple.odb
abaqus_acis_log
beam.avi
Job-1.inp
seminar.cae
seminar.rec
Evaluation version
..      beam.avi      302592 04.06.09 22:28
3,484,094 bytes in 7 files

C:\Temp>
1Help 2UserMn 3View 4Edit 5Copy 6RenMov 7MkFold 8Delete 9ConfMn 10Quit
```

Видеоклип изгиба балки

