



**СУПЕРКОМПЬЮТЕРНЫЙ ЦЕНТР**  
*Южно-Уральского государственного университета*

# Визуализация результатов в постпроцессоре ANSYS CFX

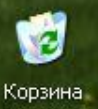


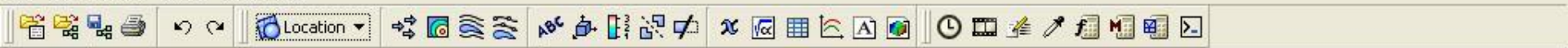
**ANSYS CFX-11.0 Launcher (on COMP1)**

File Edit CFX Show Tools User Help

CFX-Pre 11.0 CFX-Solver 11.0 **CFX-Post 11.0**

Working Directory C:/CFX





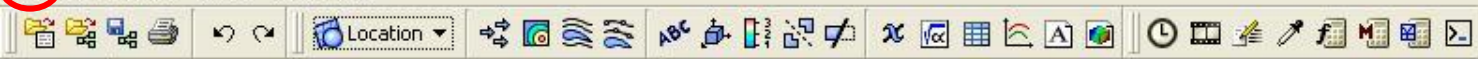
Outline Variables Quantitative Tools Turbo

- User Locations and Plots
  - Default Transform
  - Default Legend View 1
- Report
  - Title Page
  - File Report
  - Mesh Report
  - Physics Report
  - Solution Report

View 1

0 0.700 (m)  
0.350

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer



Outline Variables Quantitative Tools Turbo

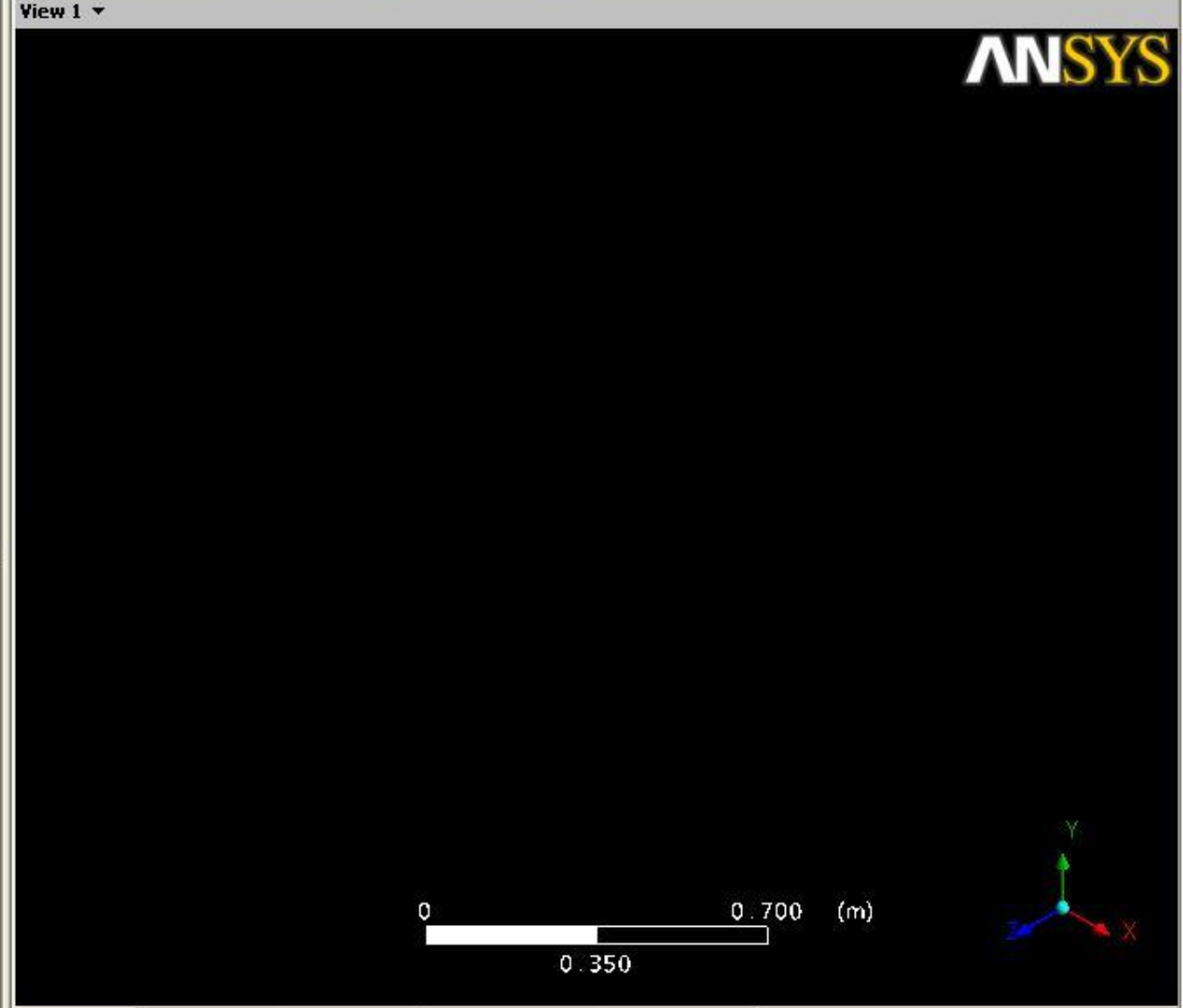
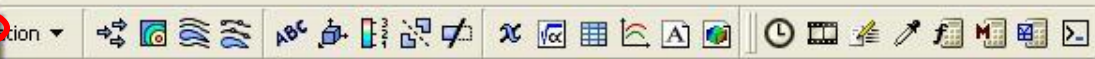
- User Locations and Plots
  - Default Transform
  - Default Legend View 1
- Report
  - Title Page
  - File Report
  - Mesh Report
  - Physics Report
  - Solution Report



View 1

0 0.700 (m)  
0.350

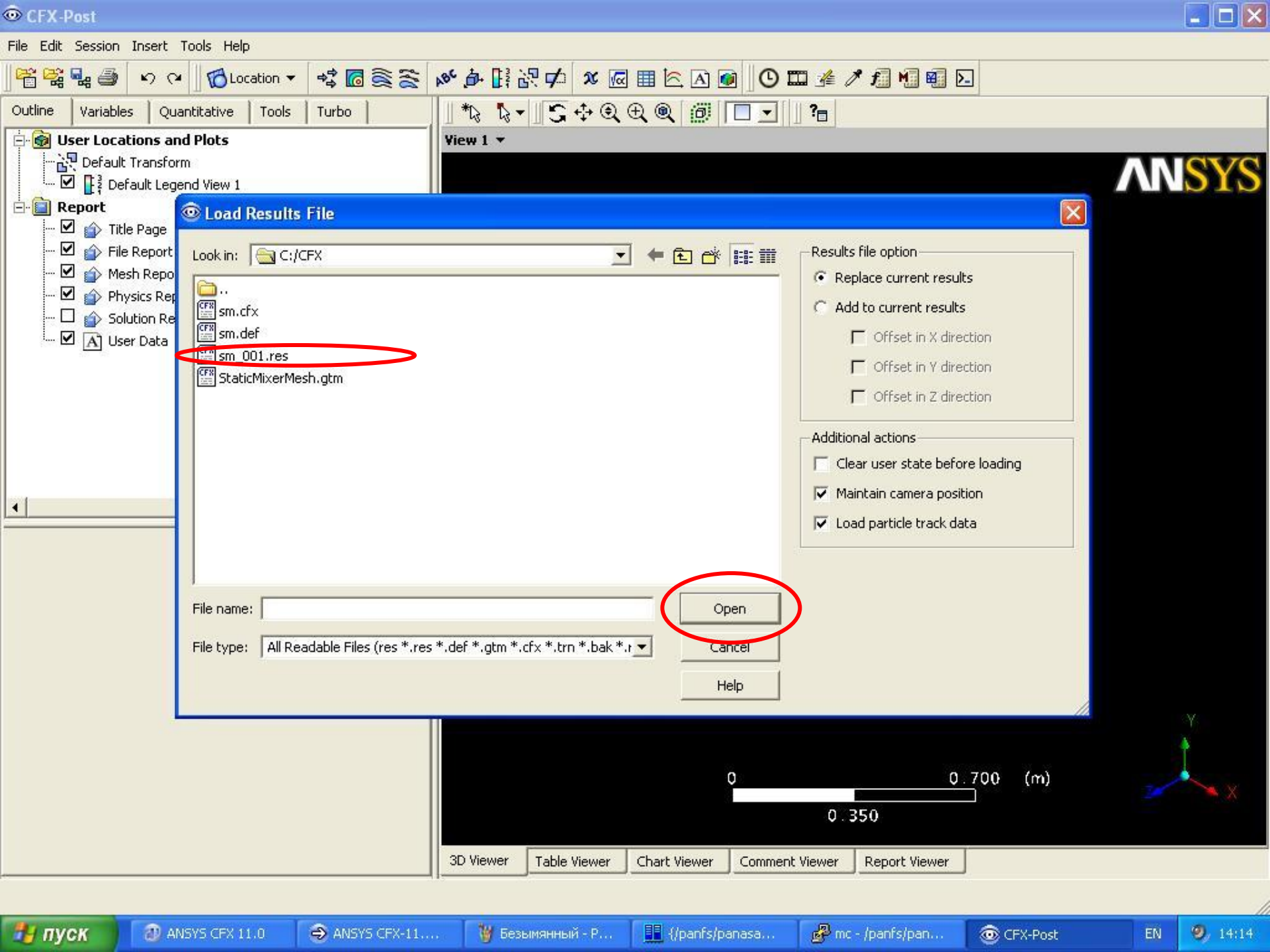
- Load Results... Ctrl+L
- Close Ctrl+W
- Load State... Ctrl+O
- Save State Ctrl+S
- Save State As...
- Import...
- Export...
- ANSYS Import/Export
- Report
- Print... Ctrl+P
- Recent Results Files
- Recent State Files
- Recent Session Files
- Quit Ctrl+Q

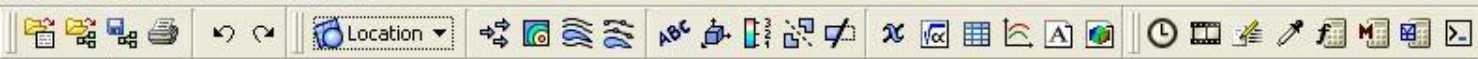


- 3D Viewer
- Table Viewer
- Chart Viewer
- Comment Viewer
- Report Viewer

Load Results (Ctrl+L)

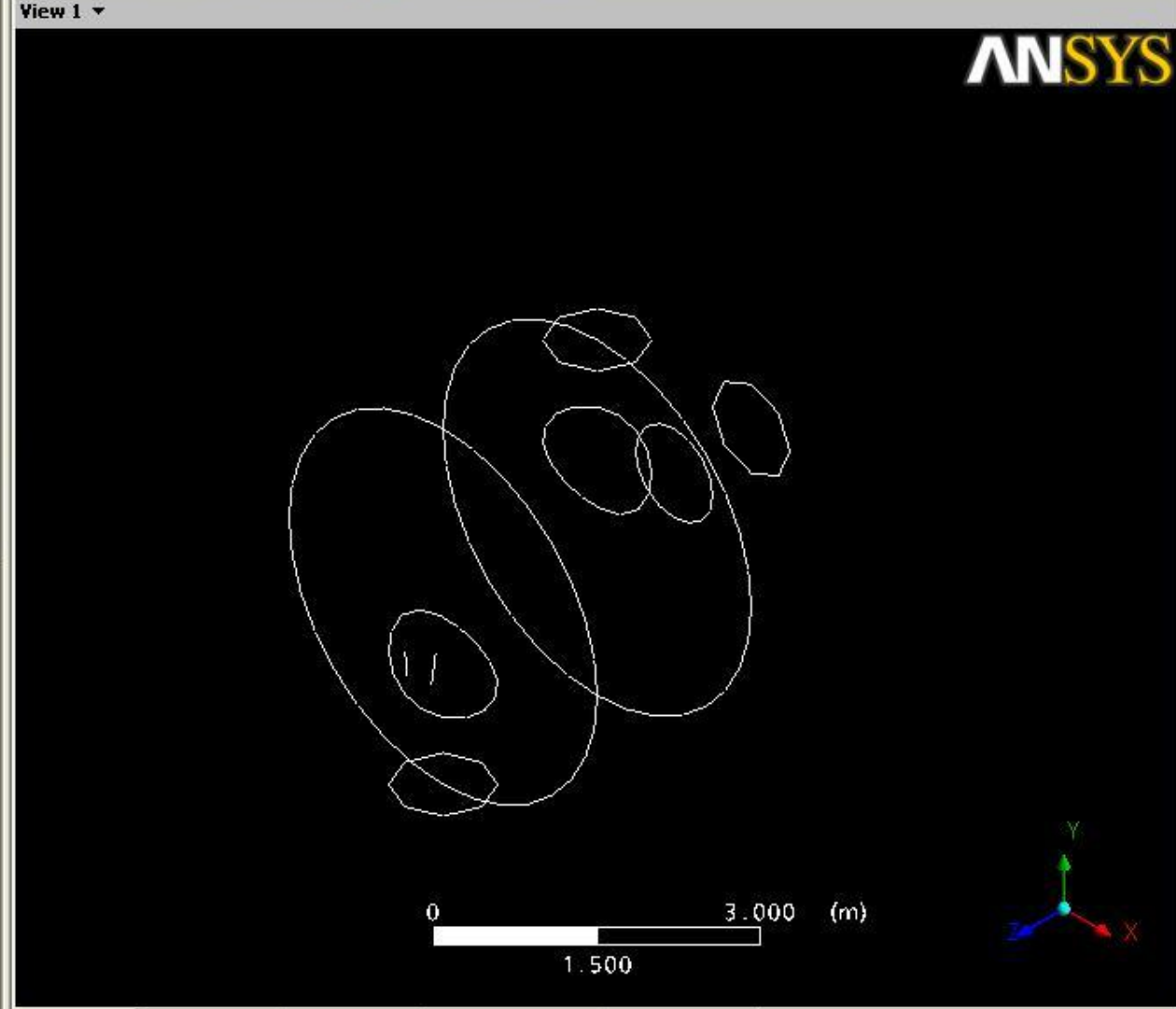


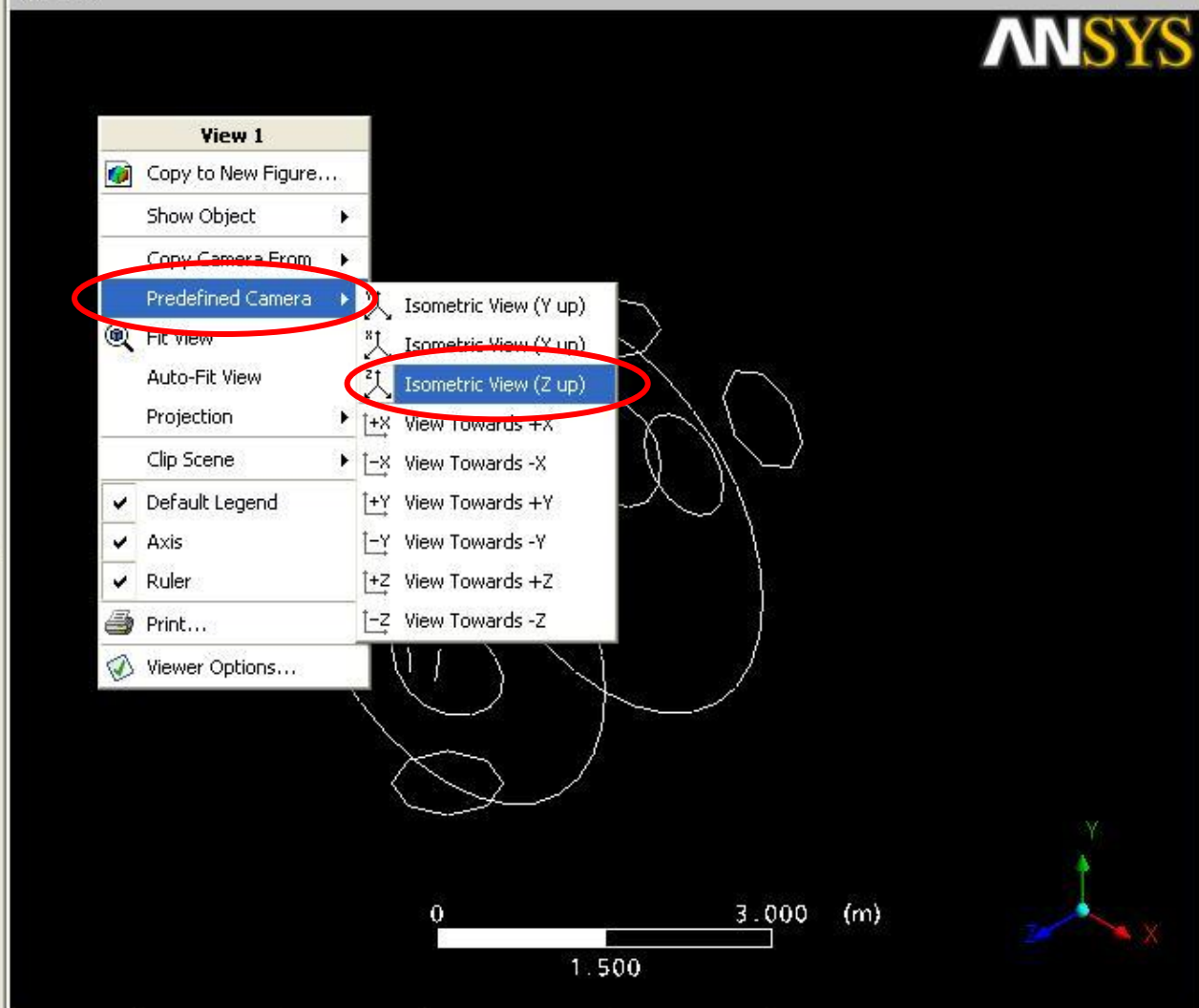
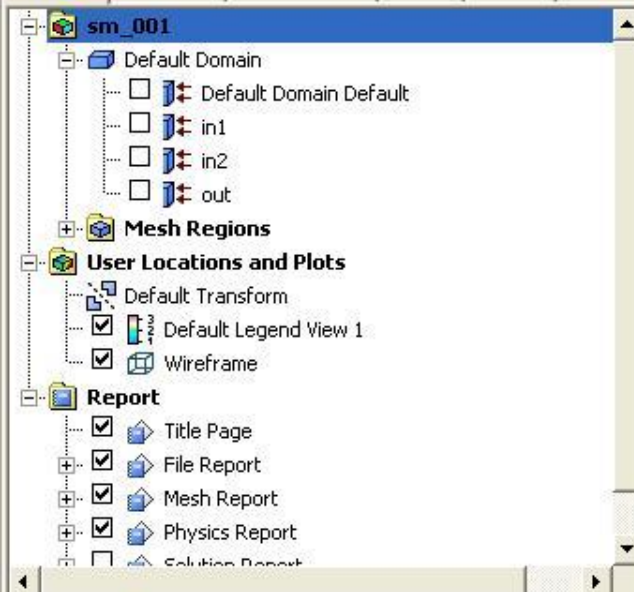
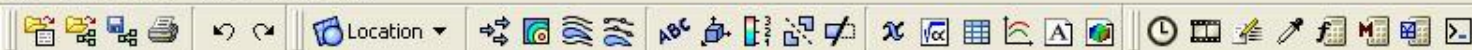




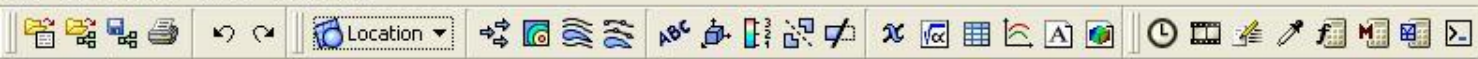
Outline Variables Quantitative Tools Turbo

- sm\_001
  - Default Domain
    - Default Domain Default
    - in1
    - in2
    - out
  - Mesh Regions
  - User Locations and Plots
    - Default Transform
    - Default Legend View 1
    - Wireframe
  - Report
    - Title Page
    - File Report
    - Mesh Report
    - Physics Report
    - Solution Report









Outline Variables Quantitative Tools Turbo

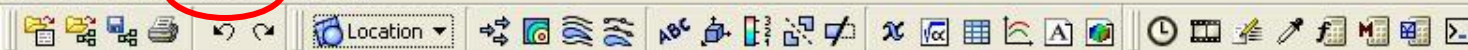
- sm\_001
  - Default Domain
    - Default Domain Default
    - in1
    - in2
    - out
  - Mesh Regions
  - User Locations and Plots
    - Default Transform
    - Default Legend View 1
    - Wireframe
  - Report
    - Title Page
    - File Report
    - Mesh Report
    - Physics Report
    - Solution Report

View 1

ANSYS

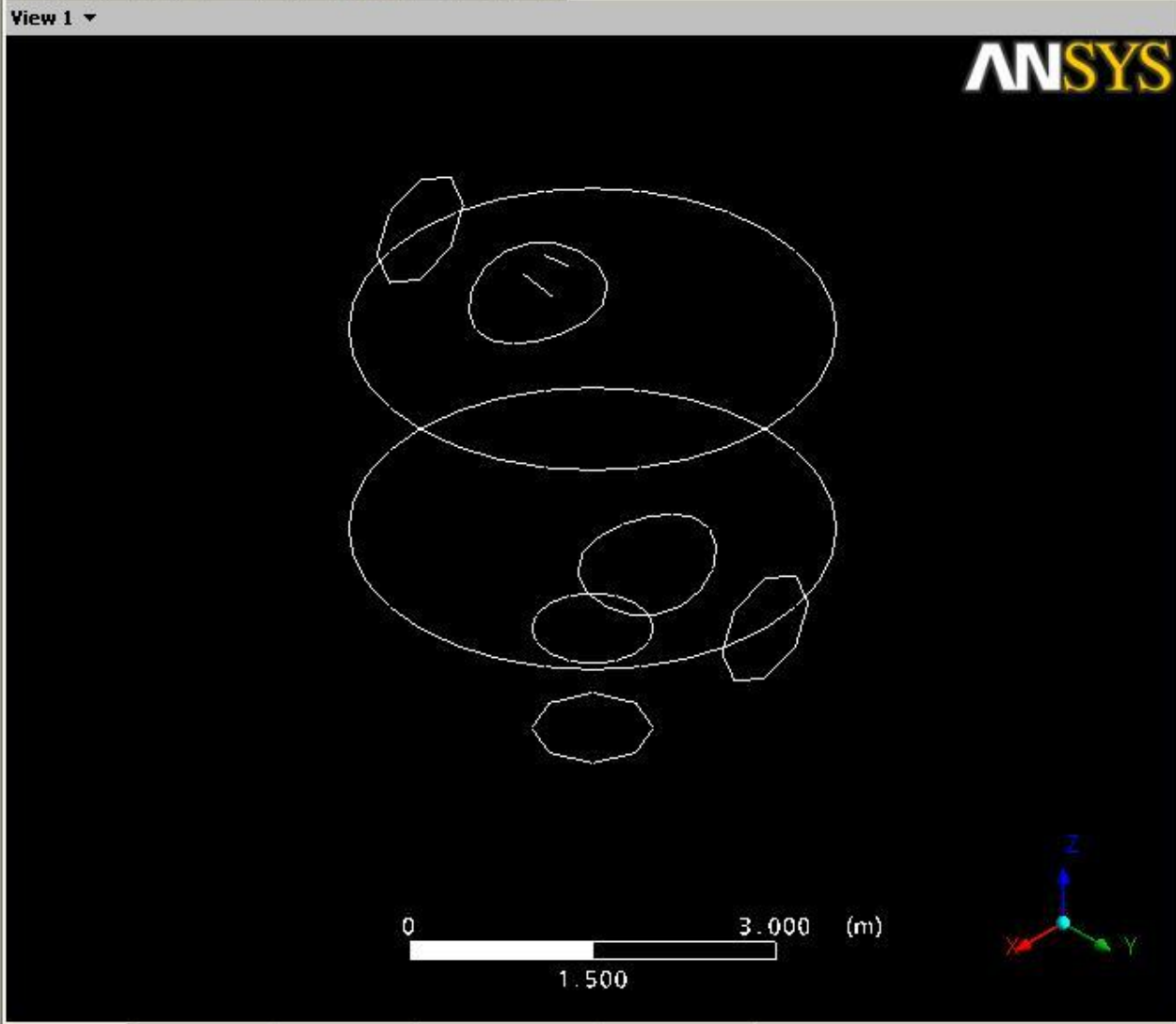
0 1.500 3.000 (m)

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer



Outline Variables Quantitative Tools Turbo

- sm\_001
  - Default Domain
    - Default Domain Default
    - in1
    - in2
    - out
  - Mesh Regions
  - User Locations and Plots
    - Default Transform
    - Default Legend View 1
    - Wireframe
  - Report
    - Title Page
    - File Report
    - Mesh Report
    - Physics Report
    - Solution Report



3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer

Location

Vector

Contour

**Streamline**

Particle Track

Text

Coord Frame

Legend

Mesh 1

User Loca

Instance Transform

Clip Plane

Variable

Expression

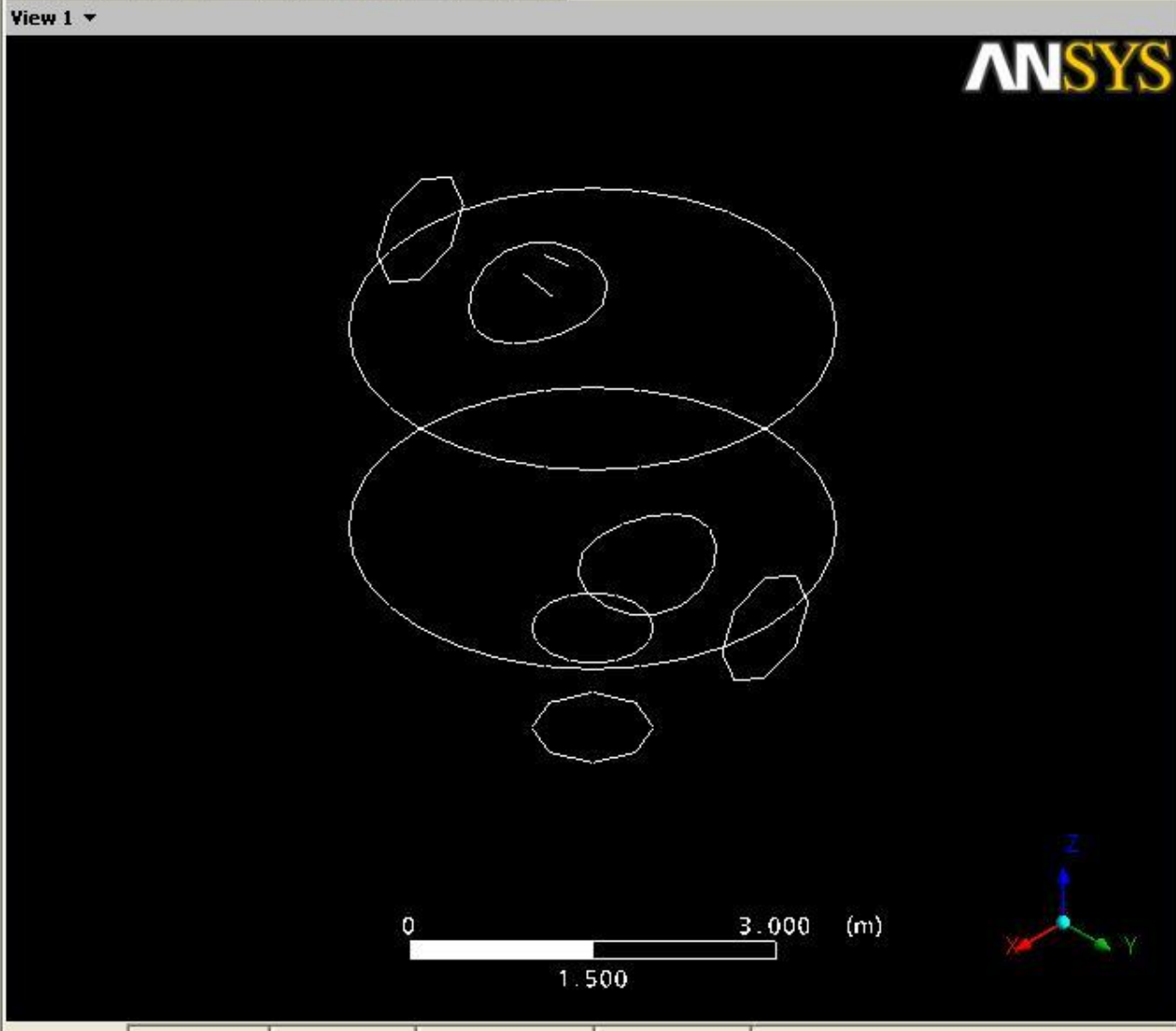
Table

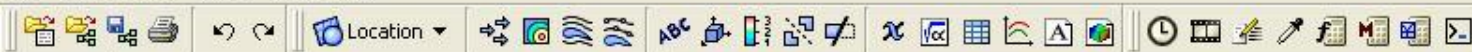
Chart

Comment

Figure

Turbo





Outline Variables Quantitative Tools Turbo

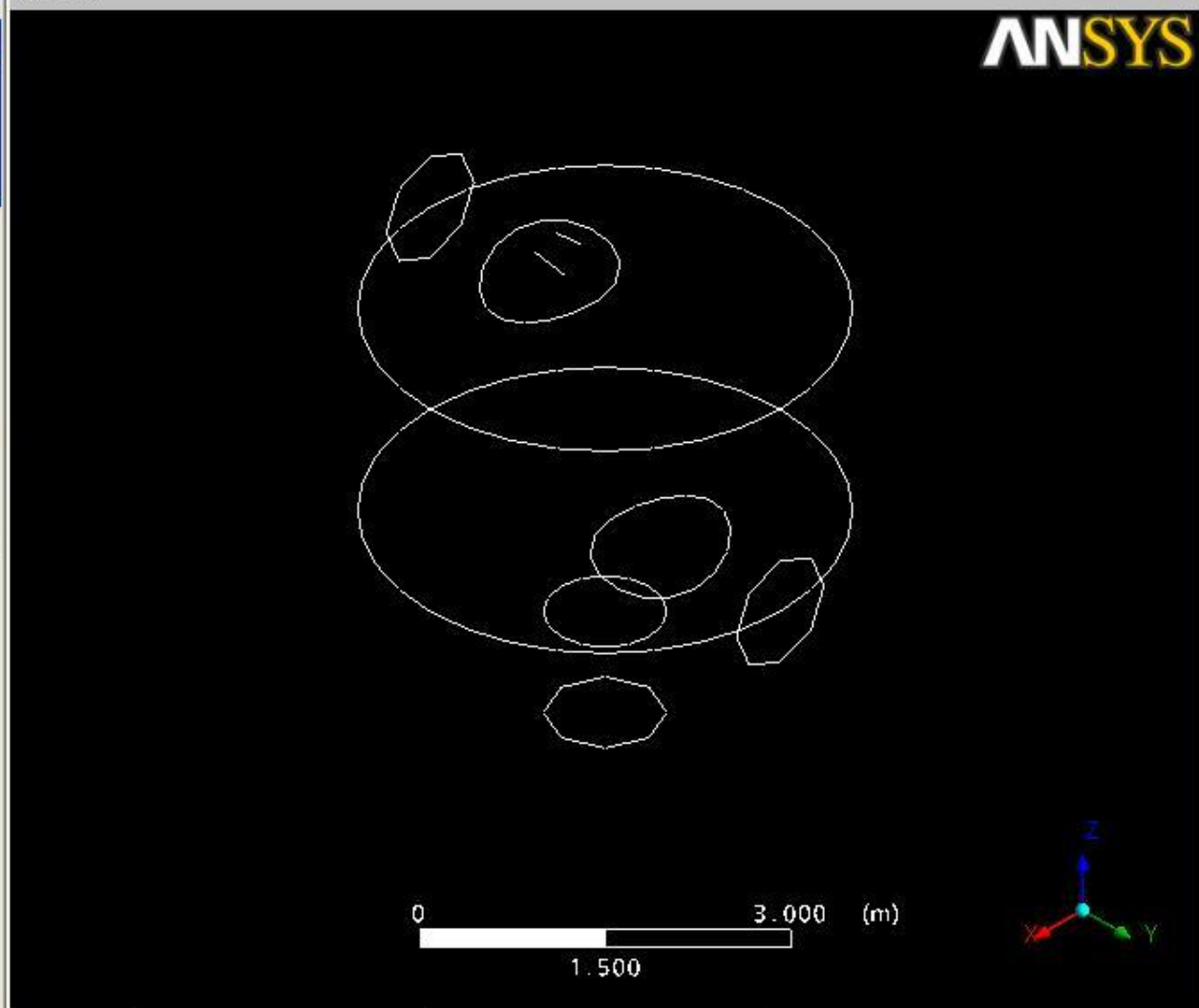
sm\_001

- Default Domain
  - Default Domain
  - in1
  - in2
  - out
- Mesh Regions
- User Locations and Plots
  - Default Transform
  - Default Legend View 1
  - Wireframe
- Report
  - Title Page
  - File Report
  - Mesh Report
  - Physics Report
  - Solution Report

**Insert Streamline** ? X

Name

View 1



3D Viewer

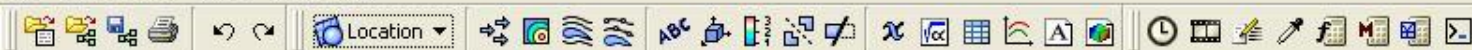
Table Viewer

Chart Viewer

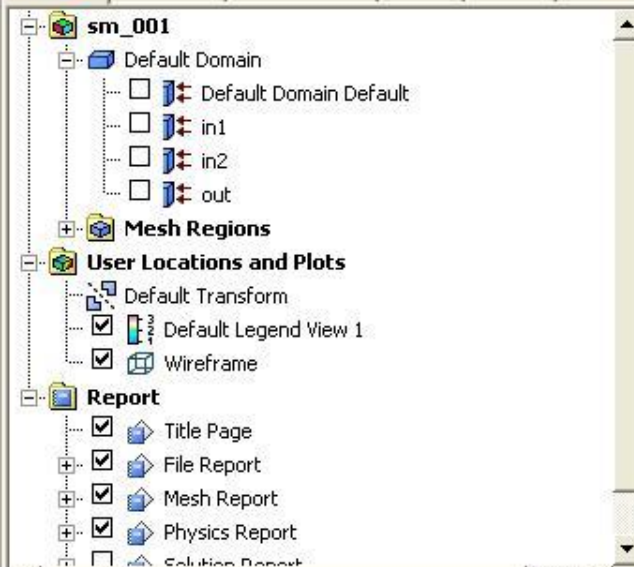
Comment Viewer

Report Viewer

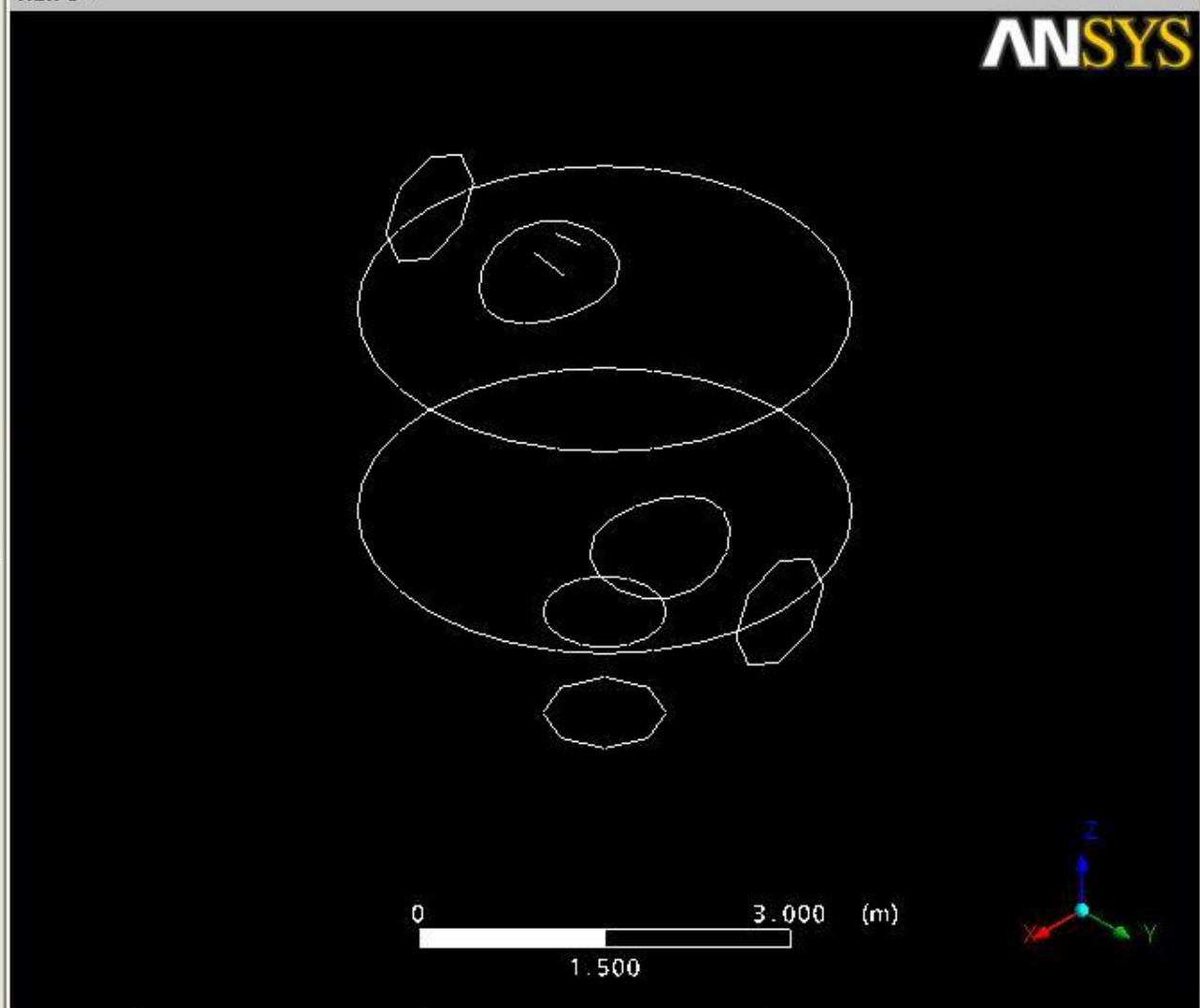




Outline Variables Quantitative Tools Turbo



View 1



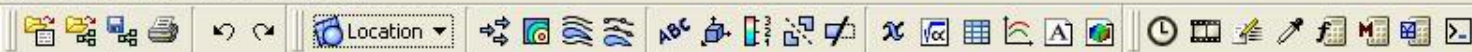
Details of Streamline 1

Geometry Colour Symbol Limits Render View

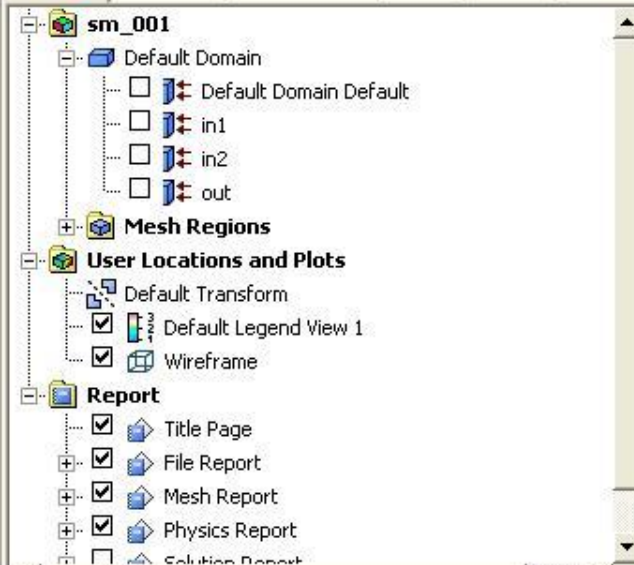
Type	3D Streamline
Definition	
Domains	All Domains
Start From	
Sampling	Equally Spaced
# of Points	25

Apply Reset Defaults

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer



Outline Variables Quantitative Tools Turbo



## Details of Streamline 1

Geometry Colour Symbol Limits Render View

Type 3D Streamline

Definition

Domains All Domains

Start From

Sampling Equally Spaced

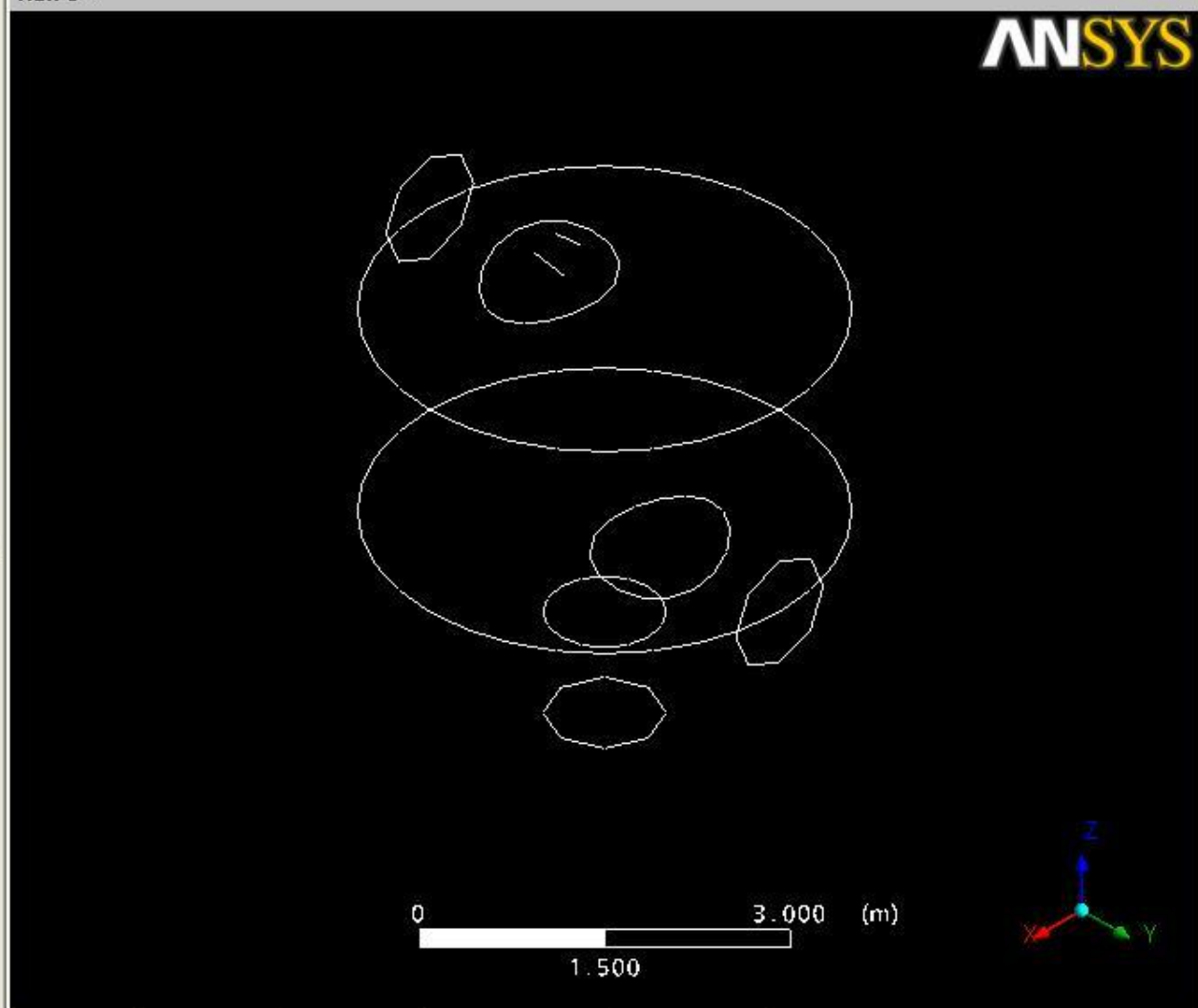
# of Points 25

Apply

Reset

Defaults

View 1



3D Viewer

Table Viewer

Chart Viewer

Comment Viewer

Report Viewer

Location ▾

Outline Variables Quantitative Tools Turbo

- sm\_001
  - Default Domain
    - Default Domain Default
    - in1
    - in2
    - out
  - Mesh Regions
  - User Locations and Plots
    - Default Transform
    - Default Legend View 1
    - Wireframe
  - Report
    - Title Page
    - File Report
    - Mesh Report
    - Physics Report
    - Solution Report

Details of **Streamline 1**

Geometry Colour Symbol Limits Render View

Type: 3D Streamline

Definition

Domains: All Domains

Start From:

Sampling: Equally Spaced

# of Points: 25

Apply Reset Defaults

Location Selector

File Contents

- Default Domain
  - Default Domain Default
  - in1
  - in2
  - out
- Regions

OK Cancel

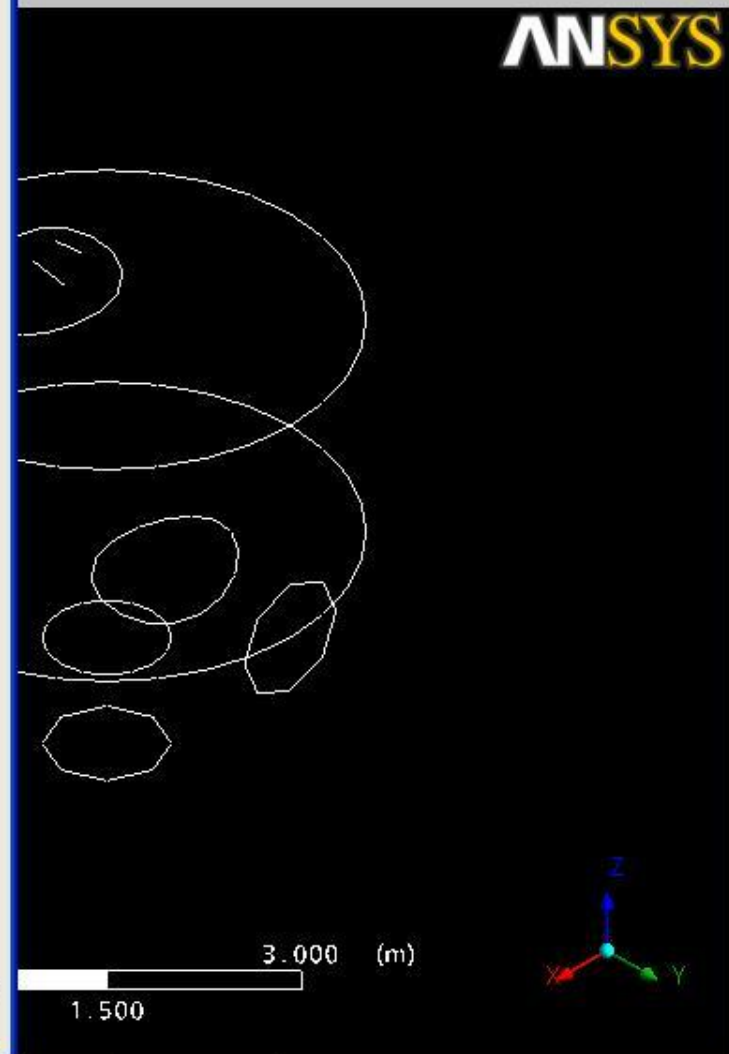
3D Viewer

Table Viewer

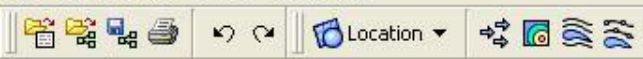
Chart Viewer

Comment Viewer

Report Viewer







Outline Variables Quantitative Tools Turbo

- sm\_001
  - Default Domain
    - Default Domain Default
    - in1
    - in2
    - out
  - Mesh Regions
  - User Locations and Plots
    - Default Transform
    - Default Legend View 1
    - Wireframe
  - Report
    - Title Page
    - File Report
    - Mesh Report
    - Physics Report
    - Solution Report

Details of **Streamline 1**

Geometry Colour Symbol Limits Render View

Type: 3D Streamline

Definition

Domains: All Domains

Start From: [Empty]

Sampling: Equally Spaced

# of Points: 25

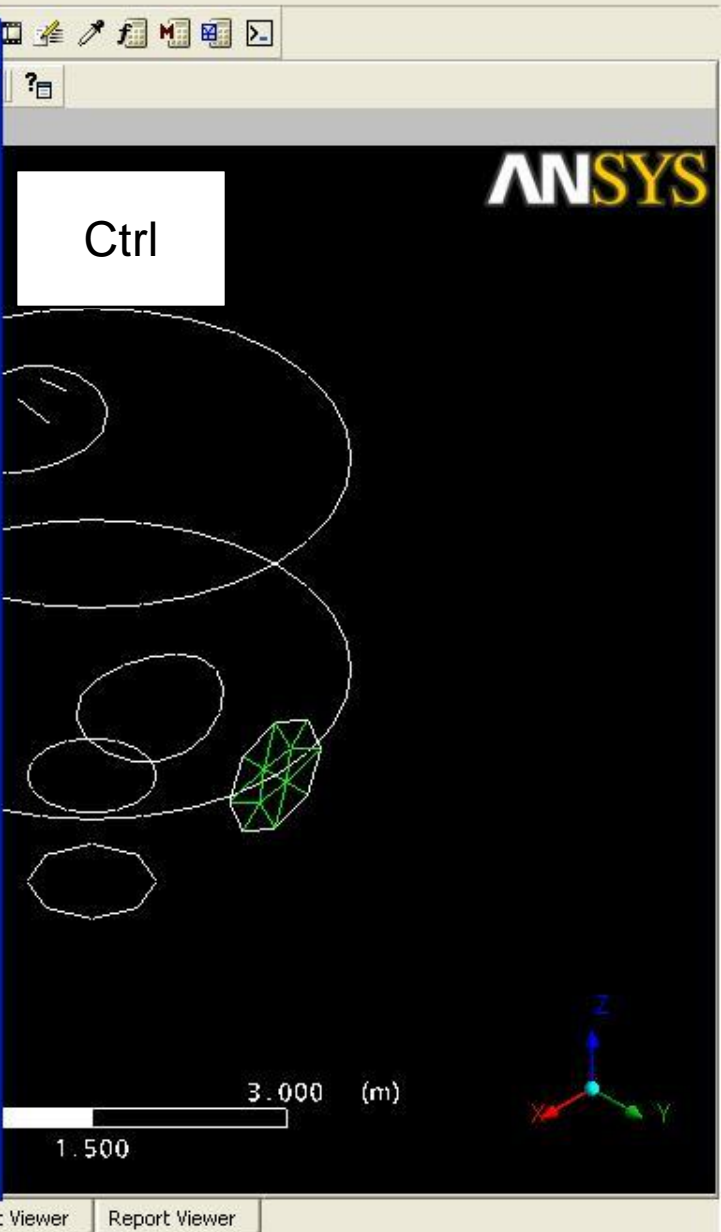
Apply Reset Defaults

### Location Selector

File Contents

- Default Domain
  - Default Domain Default
  - in1
  - in2
  - out
- Regions

OK Cancel





Location ▾

Outline Variables Quantitative Tools Turbo

- sm\_001
  - Default Domain
    - Default Domain Default
    - in1
    - in2
    - out
  - Mesh Regions
  - User Locations and Plots
    - Default Transform
    - Default Legend View 1
    - Wireframe
  - Report
    - Title Page
    - File Report
    - Mesh Report
    - Physics Report
    - Solution Report

Details of **Streamline 1**

Geometry Colour Symbol Limits Render View

Type: 3D Streamline

Definition

Domains: All Domains

Start From:

Sampling: Equally Spaced

# of Points: 25

Apply Reset Defaults

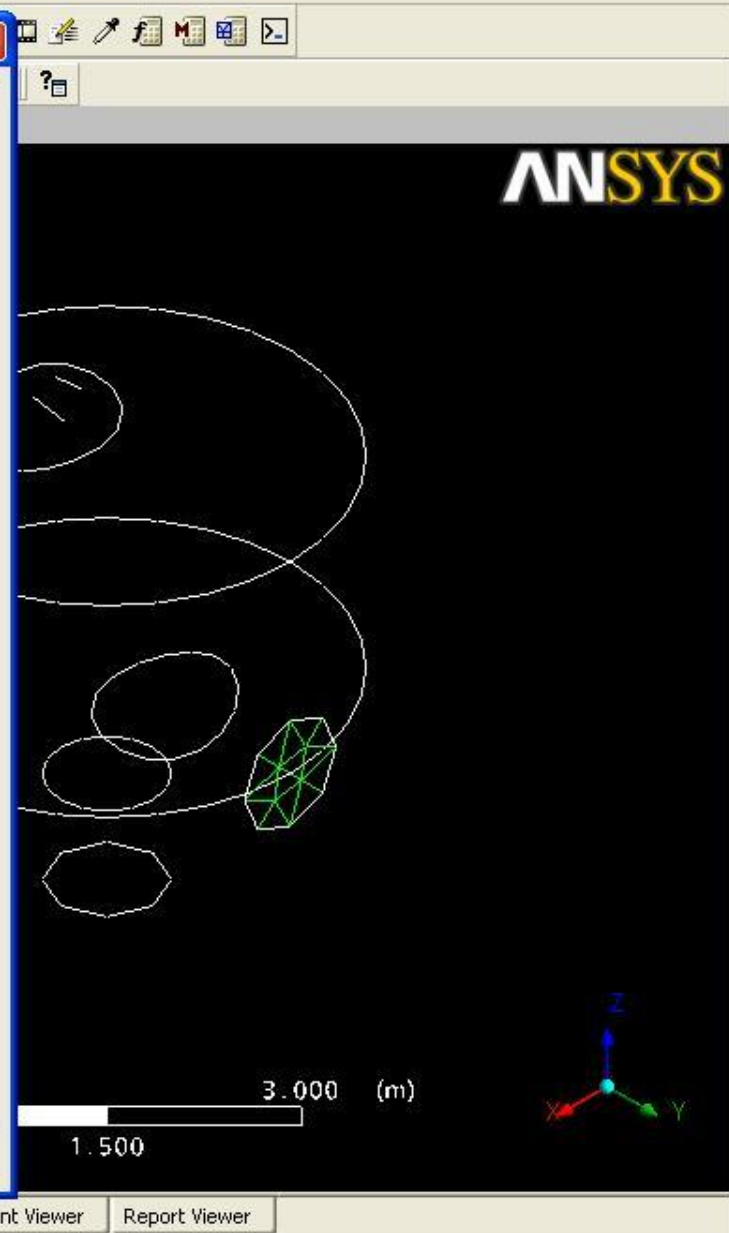
Location Selector

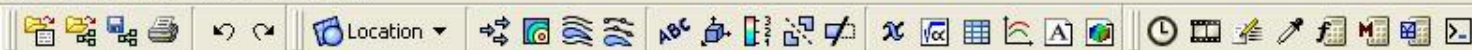
File Contents

- Default Domain
  - Default Domain Default
  - in1
  - in2
  - out
- Regions

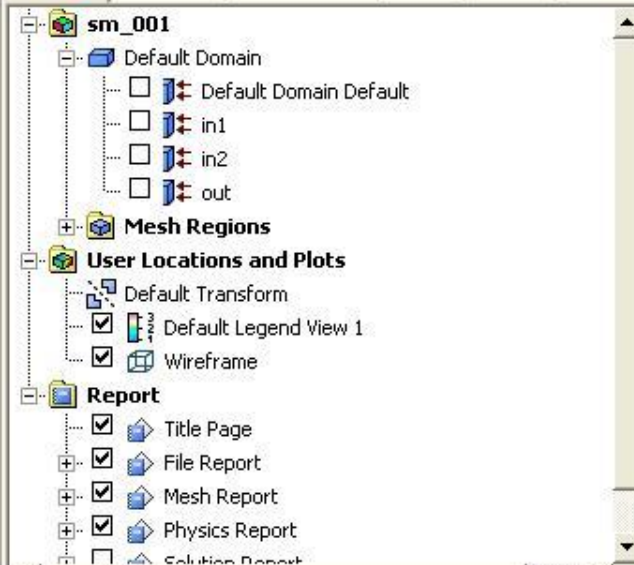
OK Cancel

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer

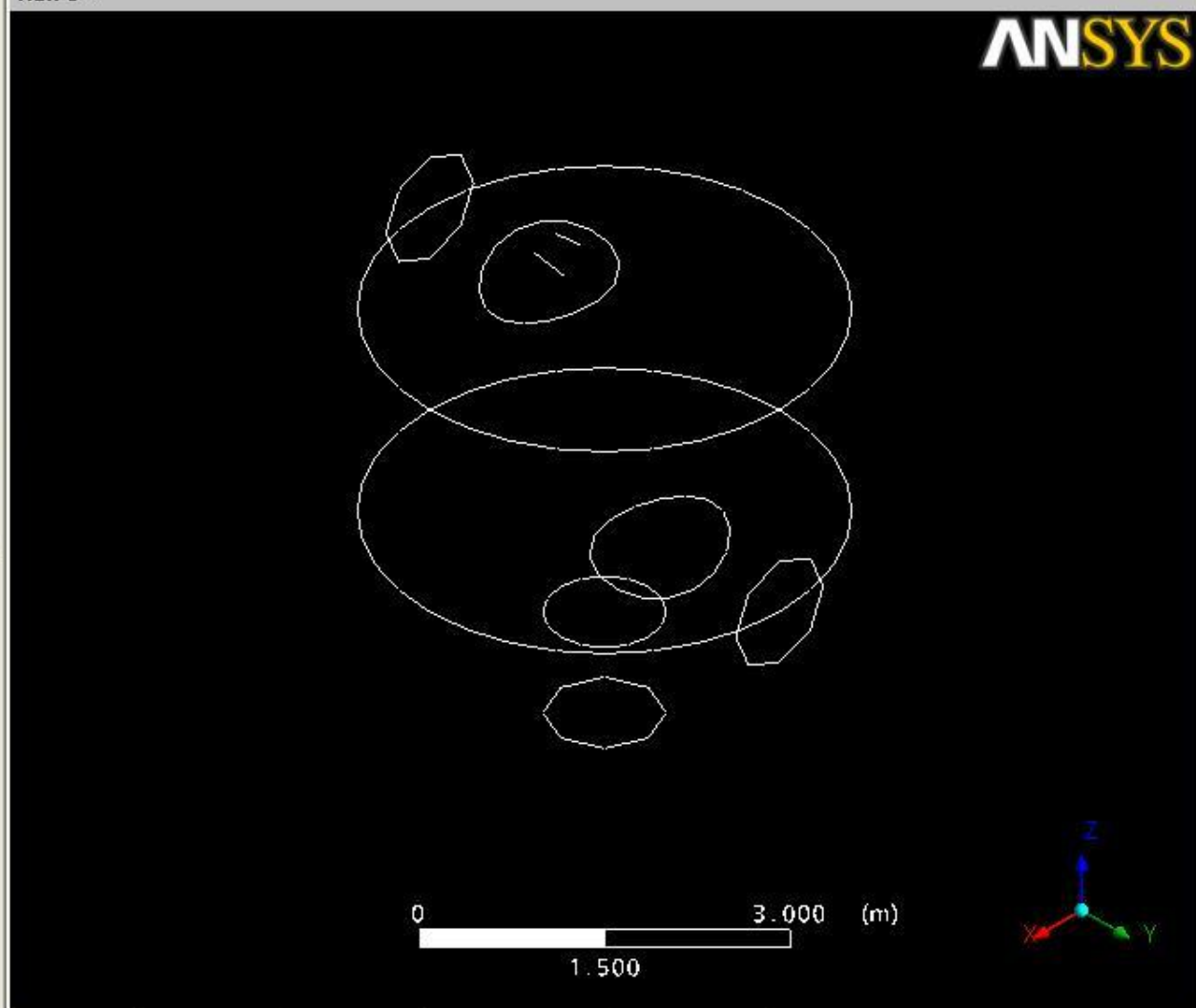




Outline Variables Quantitative Tools Turbo



View 1



Details of Streamline 1

Geometry Colour Symbol Limits Render View

Mode Use Plot Variable

Variable Velocity

Range Global

Min 0.231296 [m s<sup>-1</sup>]Max 4.10822 [m s<sup>-1</sup>] Hybrid  Conservative

Apply

Reset

Defaults

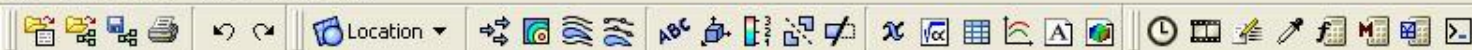
3D Viewer

Table Viewer

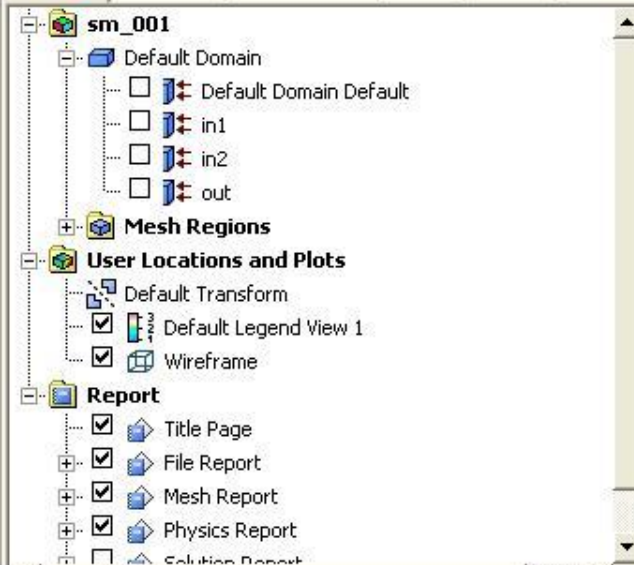
Chart Viewer

Comment Viewer

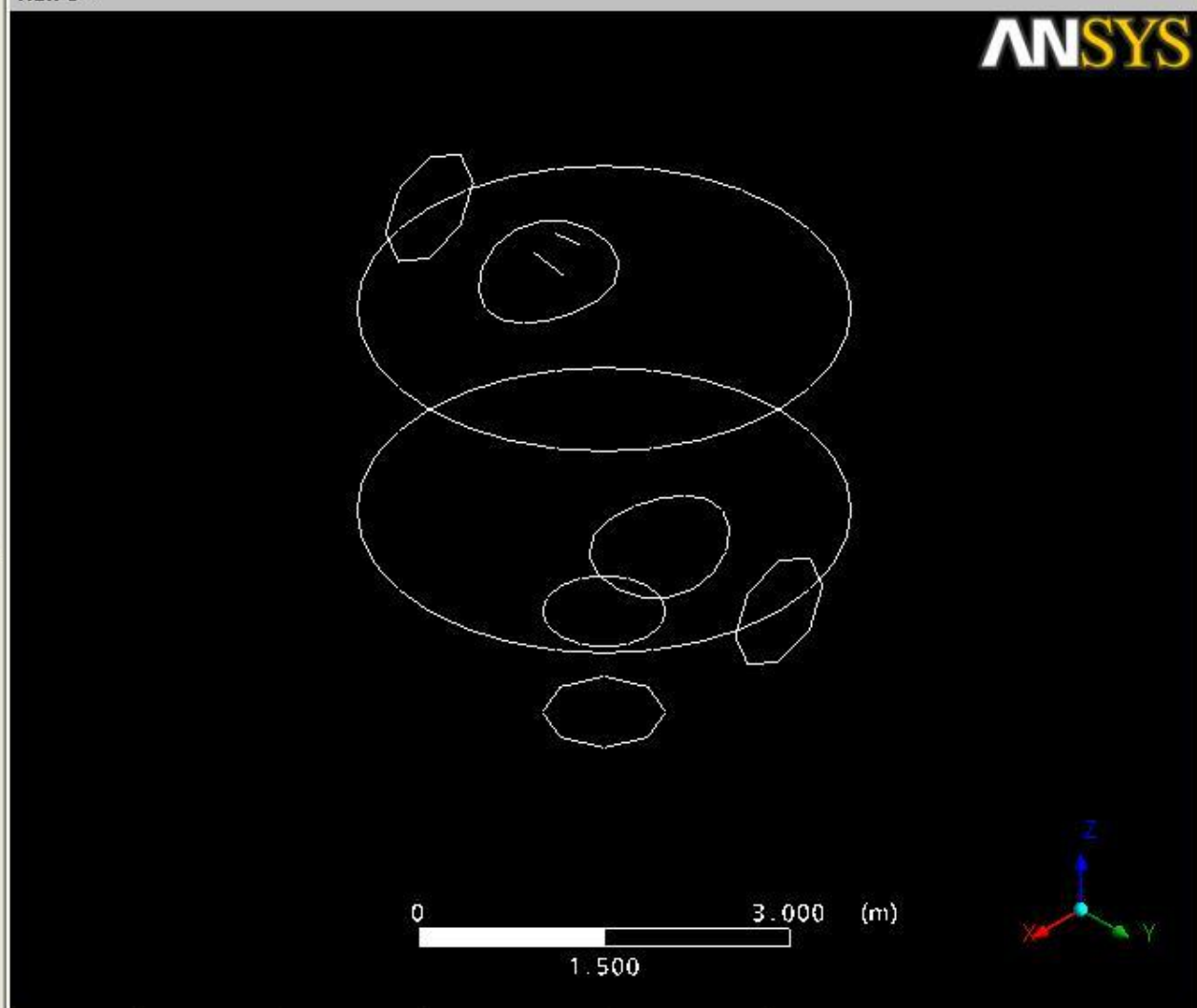
Report Viewer



Outline Variables Quantitative Tools Turbo



View 1



Details of Streamline 1

Geometry Colour Symbol Limits Render View

Mode Variable

Variable Velocity

Range Global

Min 0.231296 [m s<sup>-1</sup>]Max 4.10822 [m s<sup>-1</sup>] Hybrid  Conservative

Apply

Reset

Defaults

3D Viewer

Table Viewer

Chart Viewer

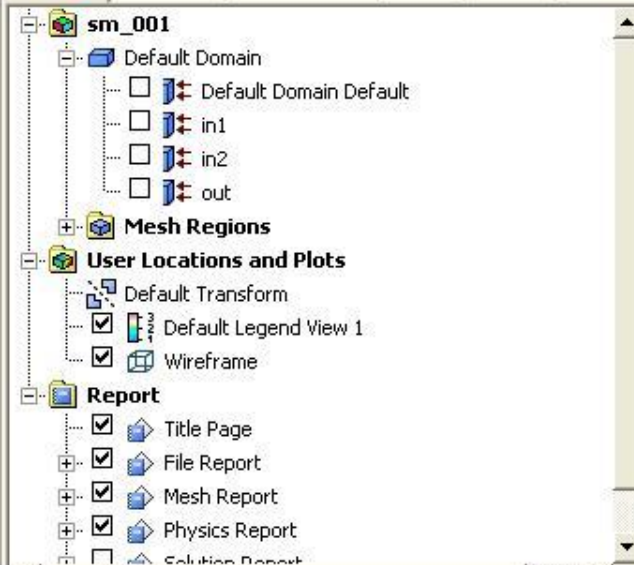
Comment Viewer

Report Viewer



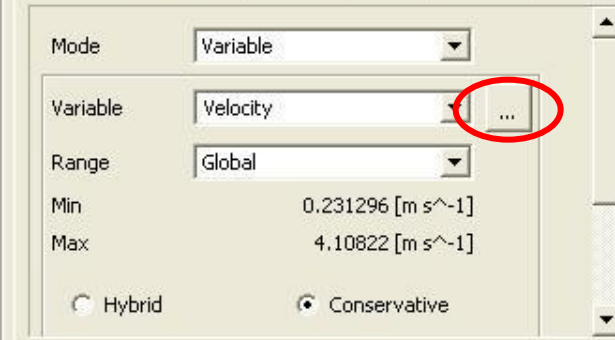


Outline Variables Quantitative Tools Turbo



## Details of Streamline 1

Geometry Colour Symbol Limits Render View

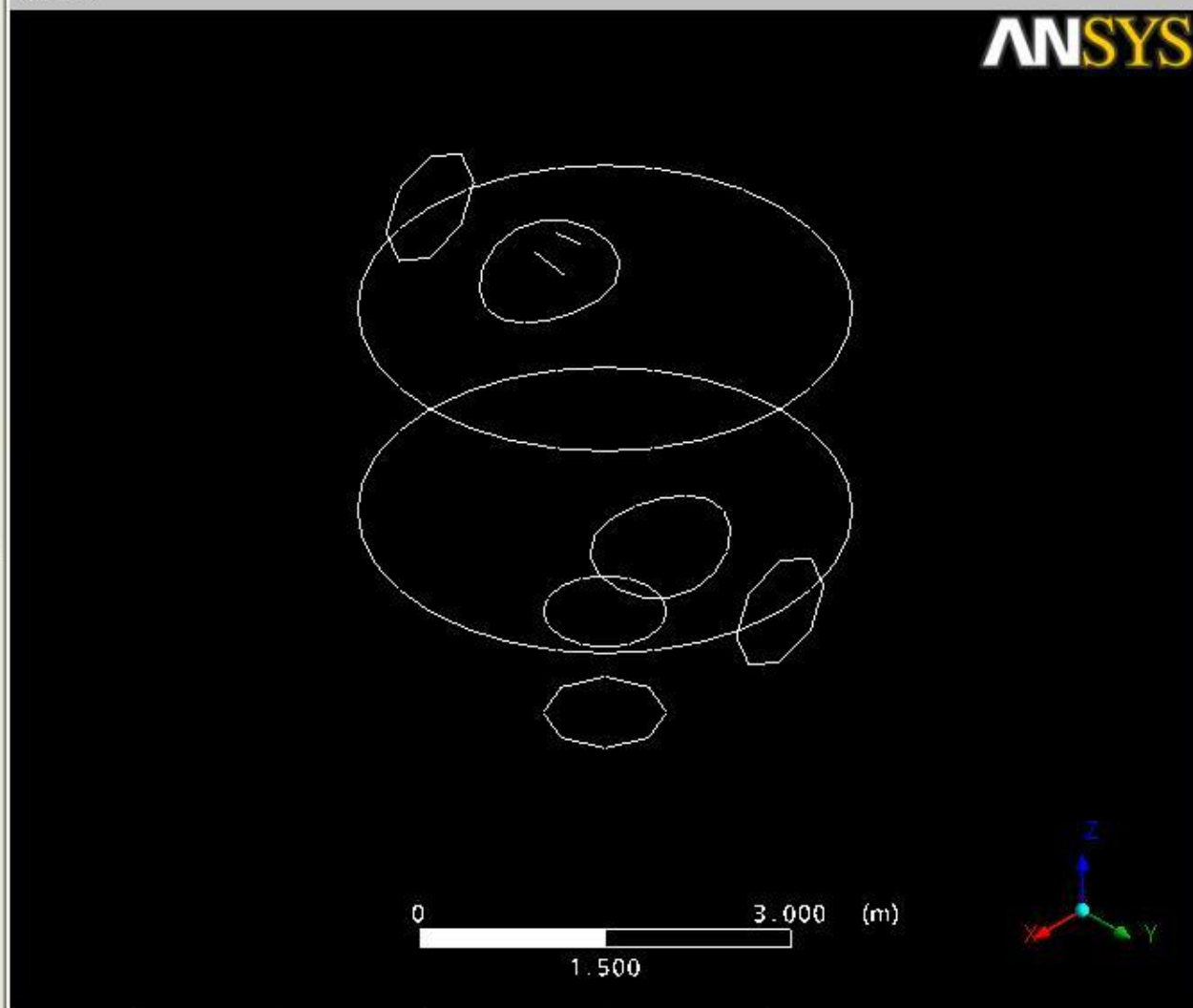


Apply

Reset

Defaults

View 1



3D Viewer

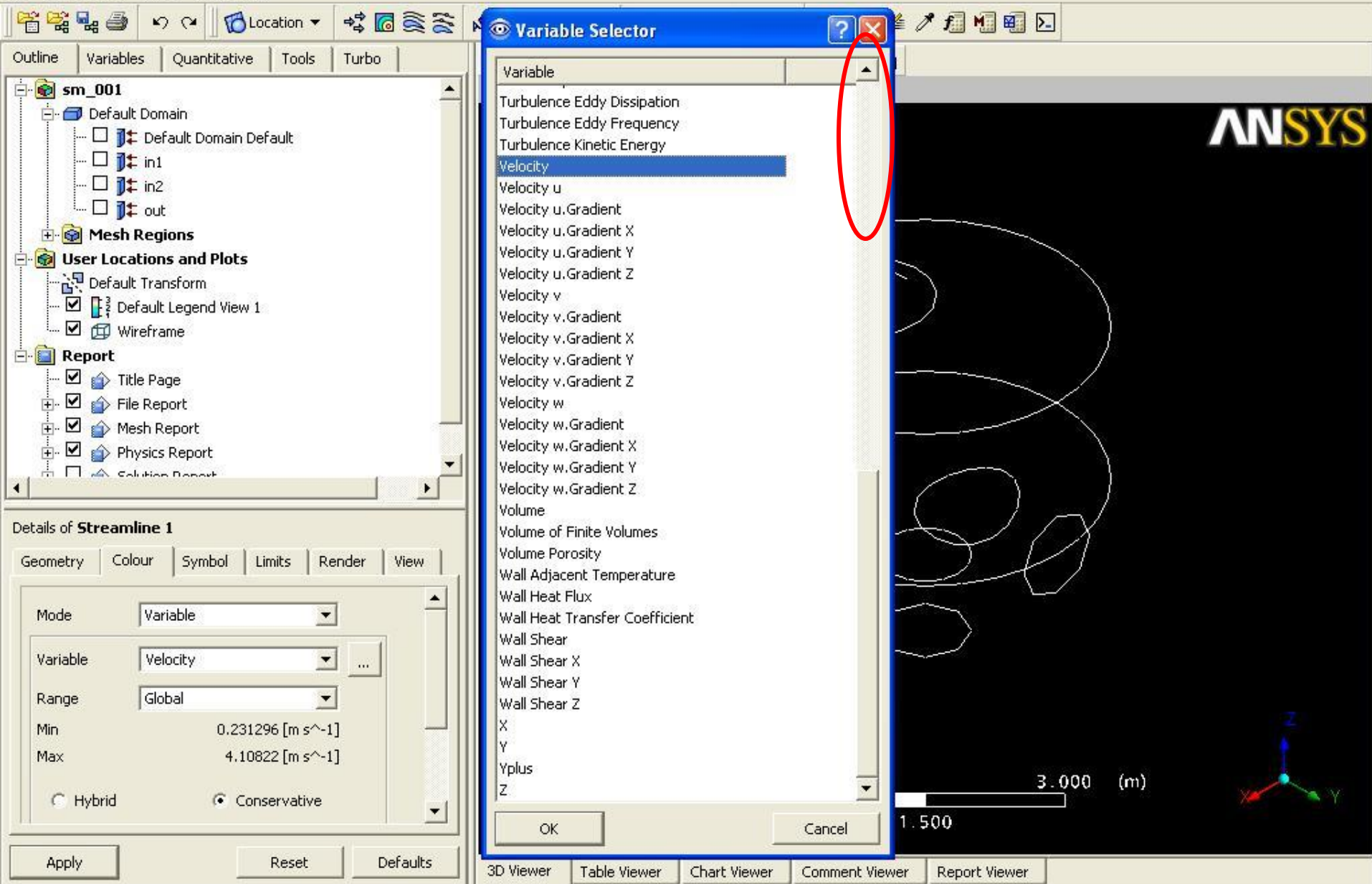
Table Viewer

Chart Viewer

Comment Viewer

Report Viewer





The image shows the ANSYS CFX-Post interface. The main window displays a 3D model of a turbine with streamlines. A dialog box titled "Variable Selector" is open, listing various variables. The "Velocity" variable is selected. The dialog box has a red circle around the close button (X) in the top right corner.

**Variable Selector**

Variable

- Turbulence Eddy Dissipation
- Turbulence Eddy Frequency
- Turbulence Kinetic Energy
- Velocity**
- Velocity u
- Velocity u.Gradient
- Velocity u.Gradient X
- Velocity u.Gradient Y
- Velocity u.Gradient Z
- Velocity v
- Velocity v.Gradient
- Velocity v.Gradient X
- Velocity v.Gradient Y
- Velocity v.Gradient Z
- Velocity w
- Velocity w.Gradient
- Velocity w.Gradient X
- Velocity w.Gradient Y
- Velocity w.Gradient Z
- Volume
- Volume of Finite Volumes
- Volume Porosity
- Wall Adjacent Temperature
- Wall Heat Flux
- Wall Heat Transfer Coefficient
- Wall Shear
- Wall Shear X
- Wall Shear Y
- Wall Shear Z
- X
- Y
- Yplus
- Z

OK Cancel

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer

**Outline** Variables Quantitative Tools Turbo

**sm\_001**

- Default Domain
  - Default Domain Default
  - in1
  - in2
  - out
- Mesh Regions
- User Locations and Plots
  - Default Transform
  - Default Legend View 1
  - Wireframe
- Report
  - Title Page
  - File Report
  - Mesh Report
  - Physics Report
  - Solution Report

**Details of Streamline 1**

Geometry Colour Symbol Limits Render View

Mode Variable

Variable Velocity

Range Global

Min 0.231296 [m s<sup>-1</sup>]

Max 4.10822 [m s<sup>-1</sup>]

Hybrid  Conservative

Apply Reset Defaults

ANSYS

3.000 (m)

1.500

X Y Z

The image shows the ANSYS CFX-Post interface with the Variable Selector dialog box open. The dialog box lists various variables, with 'Temperature' highlighted. The 'Apply' button at the bottom left of the dialog is circled in red. The background shows a 3D model of a turbine with streamlines, and the ANSYS logo is visible in the top right corner.

**Variable Selector**

Variable

- Pressure.Gradient X
- Pressure.Gradient Y
- Pressure.Gradient Z
- Real partition number
- Shear Strain Rate
- Solver Yplus
- Specific Heat Capacity at Constant Pressure
- Specific Heat Capacity at Constant Volume
- Specific Volume
- Static Enthalpy
- Static Entropy
- Temperature**
- Thermal Conductivity
- Total Pressure
- Total Temperature
- Turbulence Eddy Dissipation
- Turbulence Eddy Frequency
- Turbulence Kinetic Energy
- Velocity
- Velocity u
- Velocity u.Gradient
- Velocity u.Gradient X
- Velocity u.Gradient Y
- Velocity u.Gradient Z
- Velocity v
- Velocity v.Gradient
- Velocity v.Gradient X
- Velocity v.Gradient Y
- Velocity v.Gradient Z
- Velocity w
- Velocity w.Gradient
- Velocity w.Gradient X
- Velocity w.Gradient Y

OK Cancel

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer

**Details of Streamline 1**

Geometry Colour Symbol Limits Render View

Mode Variable

Variable Velocity

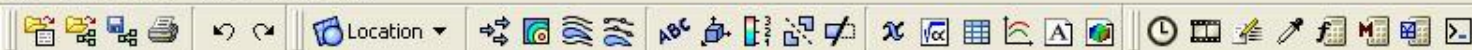
Range Global

Min 0.231296 [m s<sup>-1</sup>]

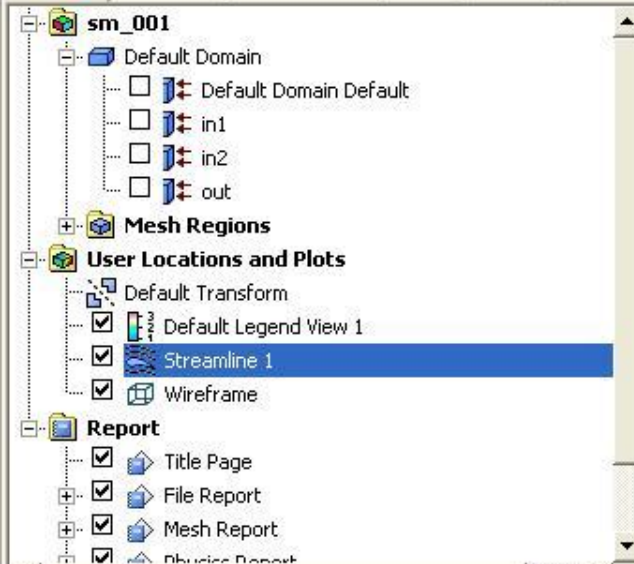
Max 4.10822 [m s<sup>-1</sup>]

Hybrid  Conservative

Apply Reset Defaults



Outline Variables Quantitative Tools Turbo



## Details of Streamline 1

Geometry Colour Symbol Limits Render View

Mode Variable

Variable Temperature

Range Global

Min 285 [K]

Max 315 [K]

 Hybrid
  Conservative

Apply

Reset

Defaults

View 1

Temperature  
(Streamline 1)

3.150e+002

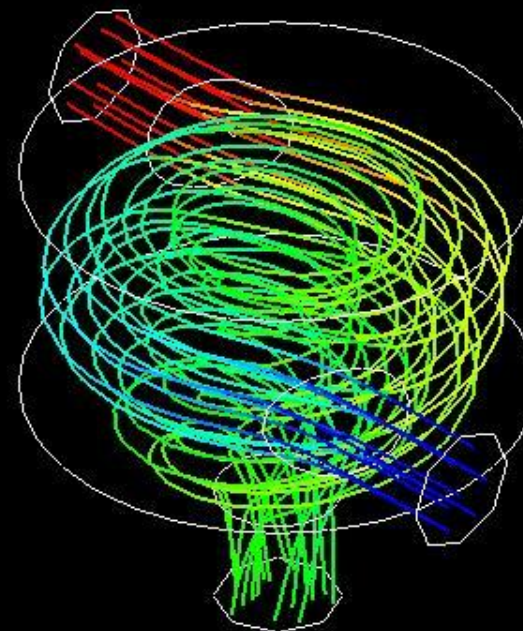
3.075e+002

3.000e+002

2.925e+002

2.850e+002

[K]



0 3.000 (m)

1.500

3D Viewer

Table Viewer

Chart Viewer

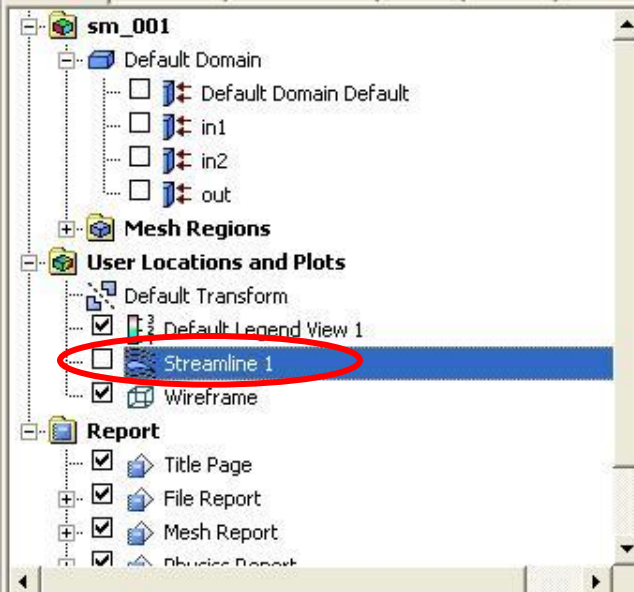
Comment Viewer

Report Viewer

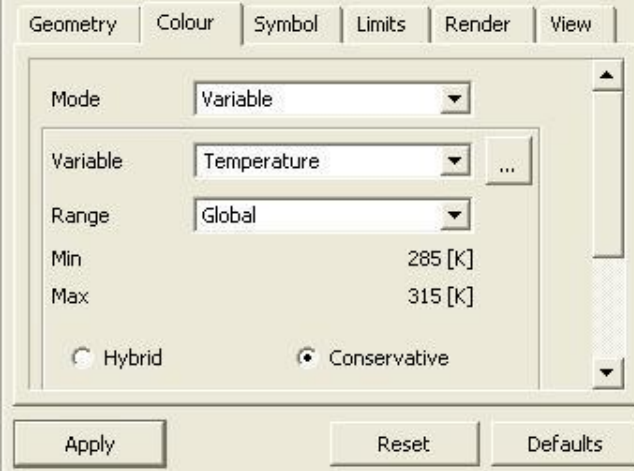




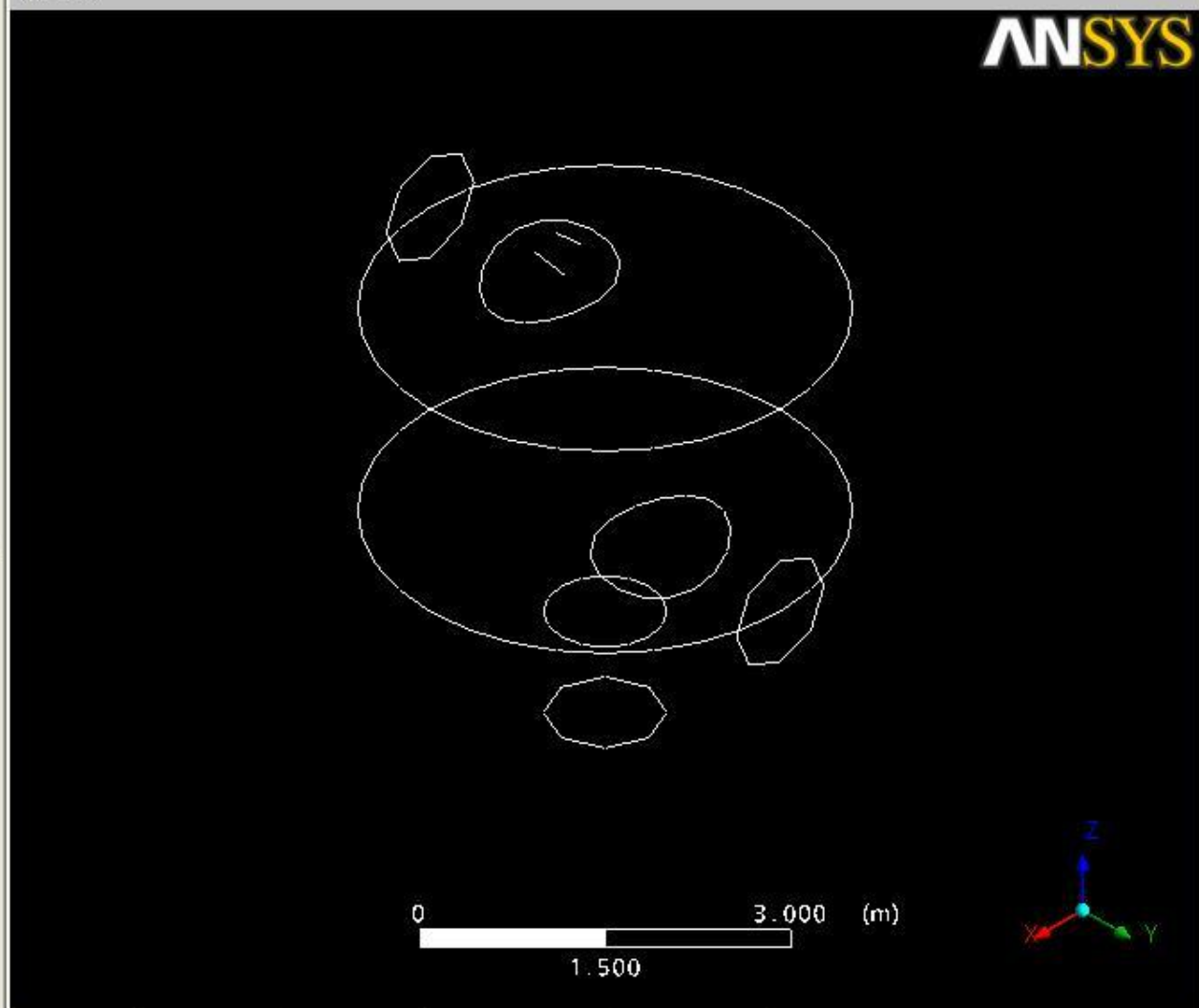
Outline Variables Quantitative Tools Turbo



Details of Streamline 1



View 1



3D Viewer

Table Viewer

Chart Viewer

Comment Viewer

Report Viewer



Location

- Point
- Point Cloud
- Line
- Plane
- Volume
- Isosurface
- Surface of Revolution
- Polyline
- User Surface
- Surface Group
- Turbo Surface
- Turbo Line

Outline Variable

- Vector
- Contour
- Streamline
- Particle Track
- Text
- Coord Frame
- Legend
- Instance Transform
- Clip Plane
- Variable
- Expression
- Table
- Chart
- Comment
- Figure

sm\_001

- Default
  - Particle Track
  - Text
  - Coord Frame
- Mesh 1
- User Loca
  - Default
    - Del
    - Str
    - Wir
- Report
  - Titl
  - File
  - Me
  - nt

Details of **Streamline 1**

Geometry Colour Symbol Limits Render View

Mode: Variable

Variable: Temperature

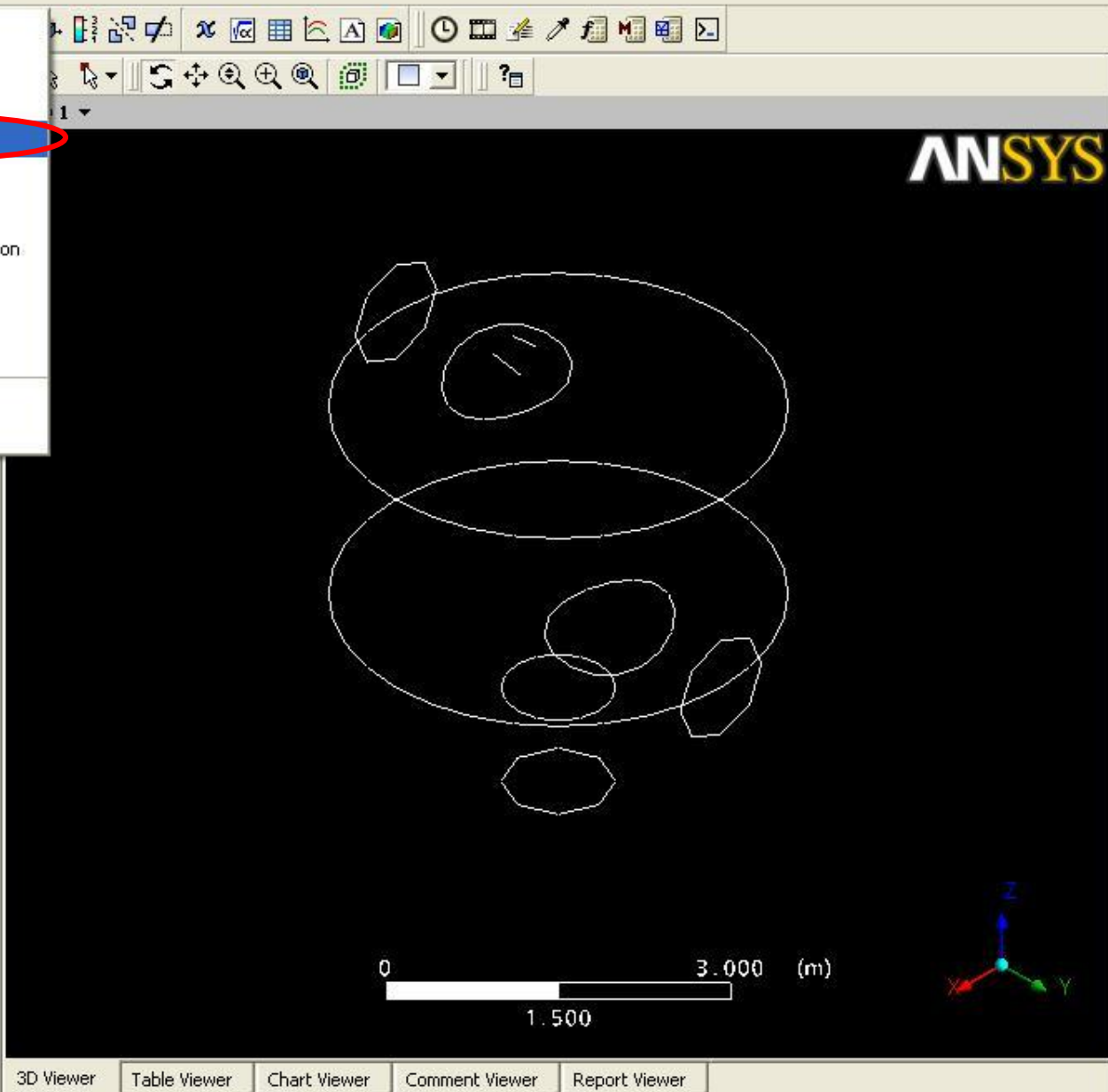
Range: Global

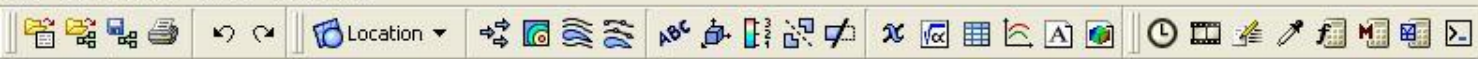
Min: 285 [K]

Max: 315 [K]

Hybrid  Conservative

Apply Reset Defaults





Outline

- sm\_001
  - Default Domain
    - Default Domain Default
    - in1
    - in2
    - out
  - Mesh Regions
  - User Locations and Plots
    - Default Transform
    - Default Legend View 1
    - Streamline 1
    - Wireframe
  - Report
    - Title Page
    - File Report
    - Mesh Report
    - Physics Report

**Insert Plane**

Name: Plane 1

OK Cancel

Details of **Streamline 1**

Geometry Colour Symbol Limits Render View

Mode: Variable

Variable: Temperature

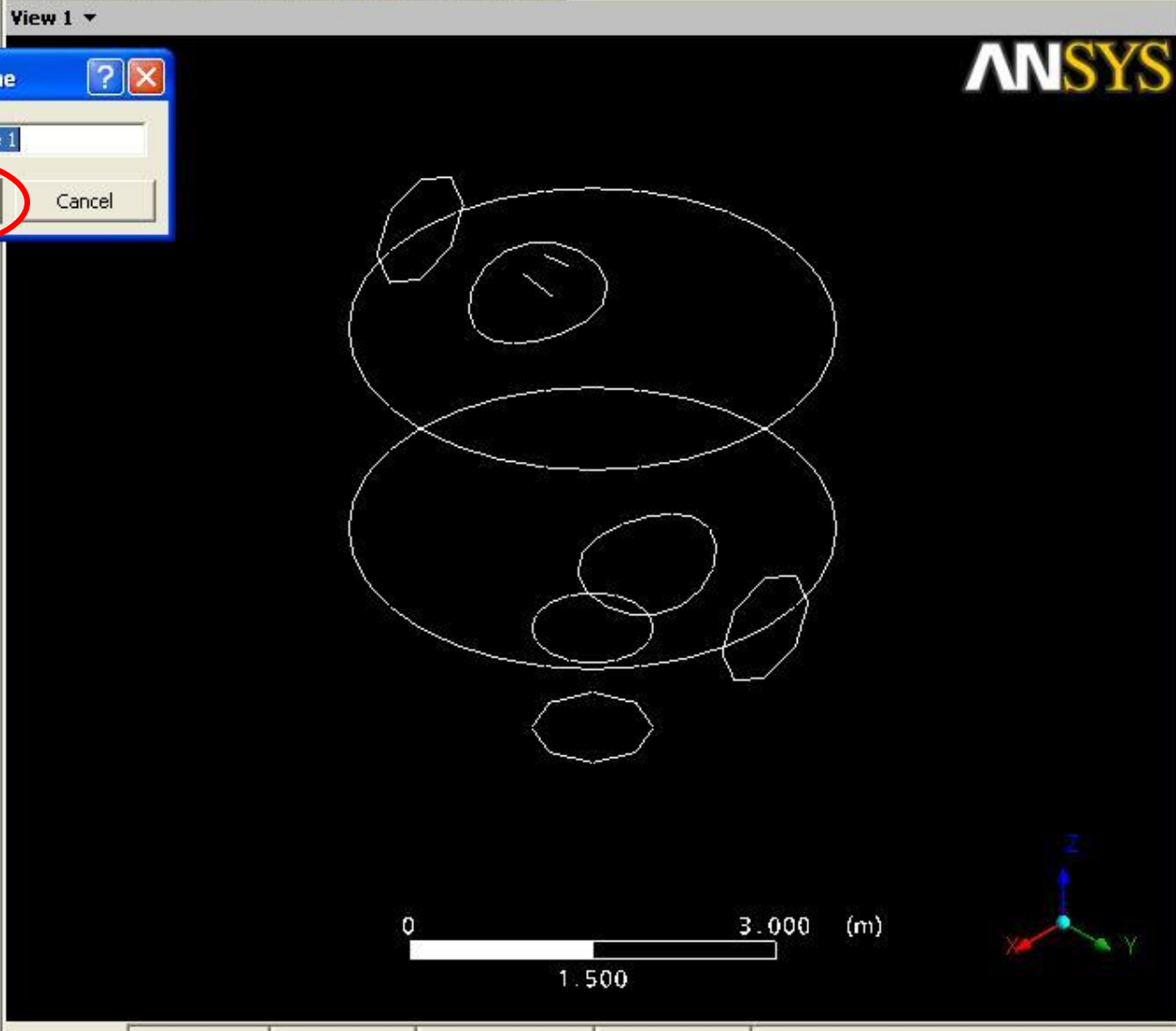
Range: Global

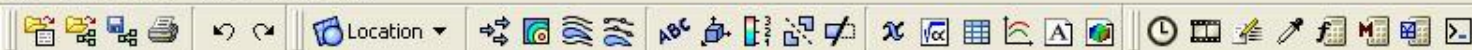
Min: 285 [K]

Max: 315 [K]

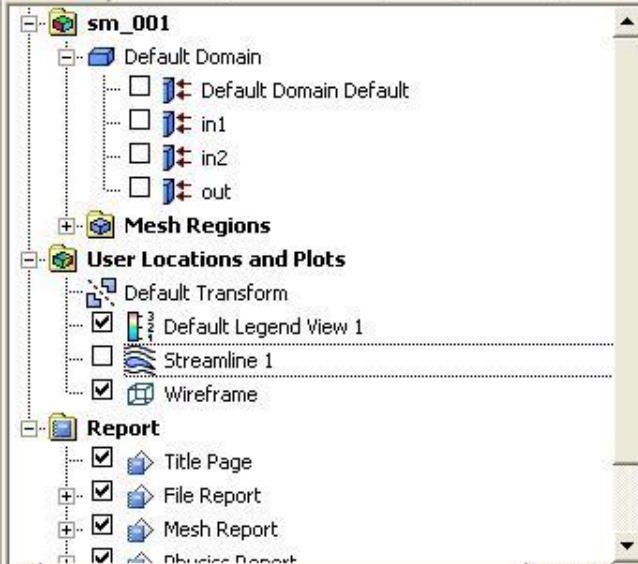
Hybrid  Conservative

Apply Reset Defaults





Outline Variables Quantitative Tools Turbo



## Details of Plane 1

Geometry Colour Render View

Domains All Domains ...

Definition

Method YZ Plane

X 0 [m]

Plane Bounds - None

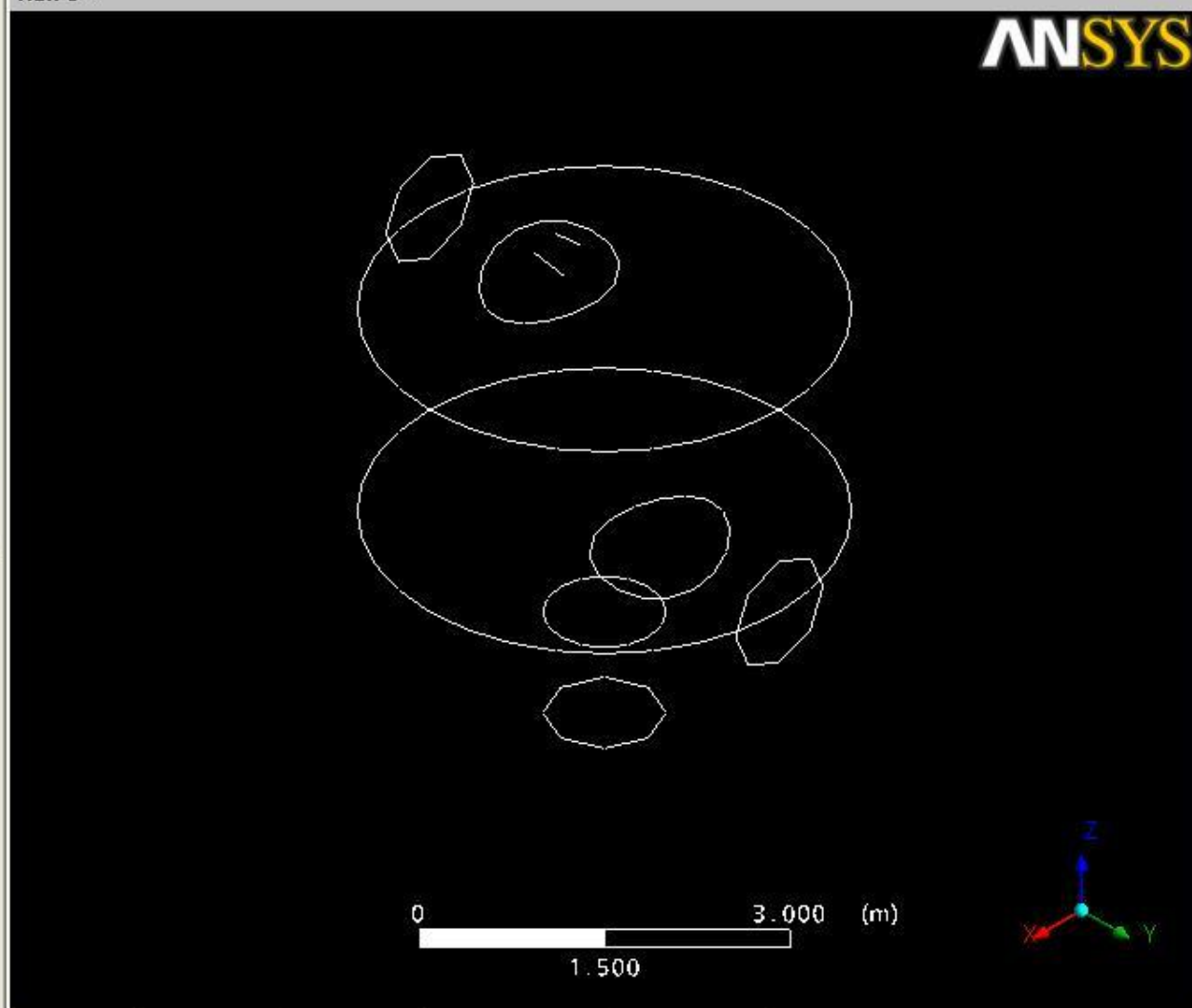
Plane Type - Slice

Apply

Reset

Defaults

View 1



3D Viewer

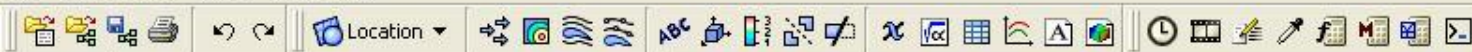
Table Viewer

Chart Viewer

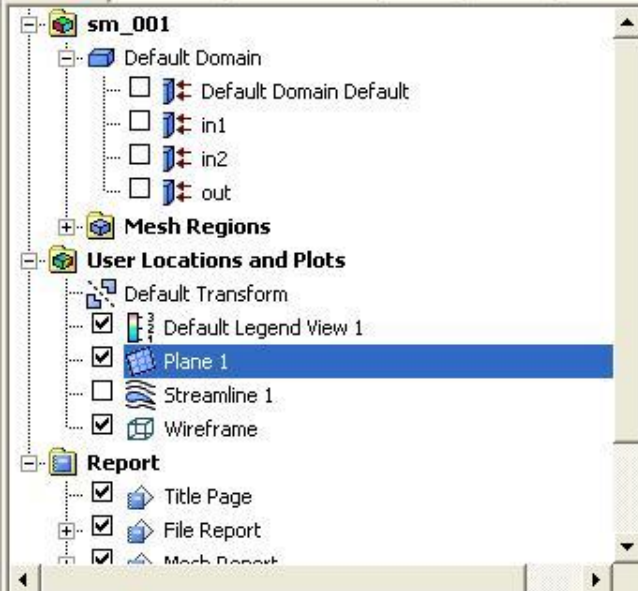
Comment Viewer

Report Viewer

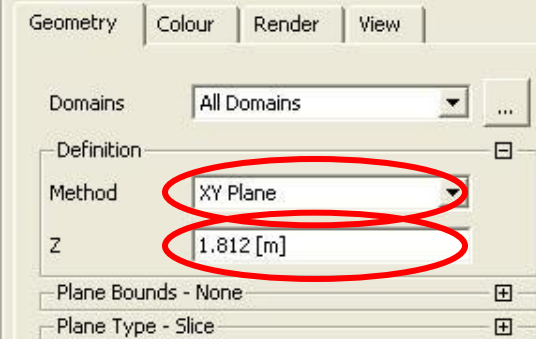




Outline Variables Quantitative Tools Turbo



## Details of Plane 1

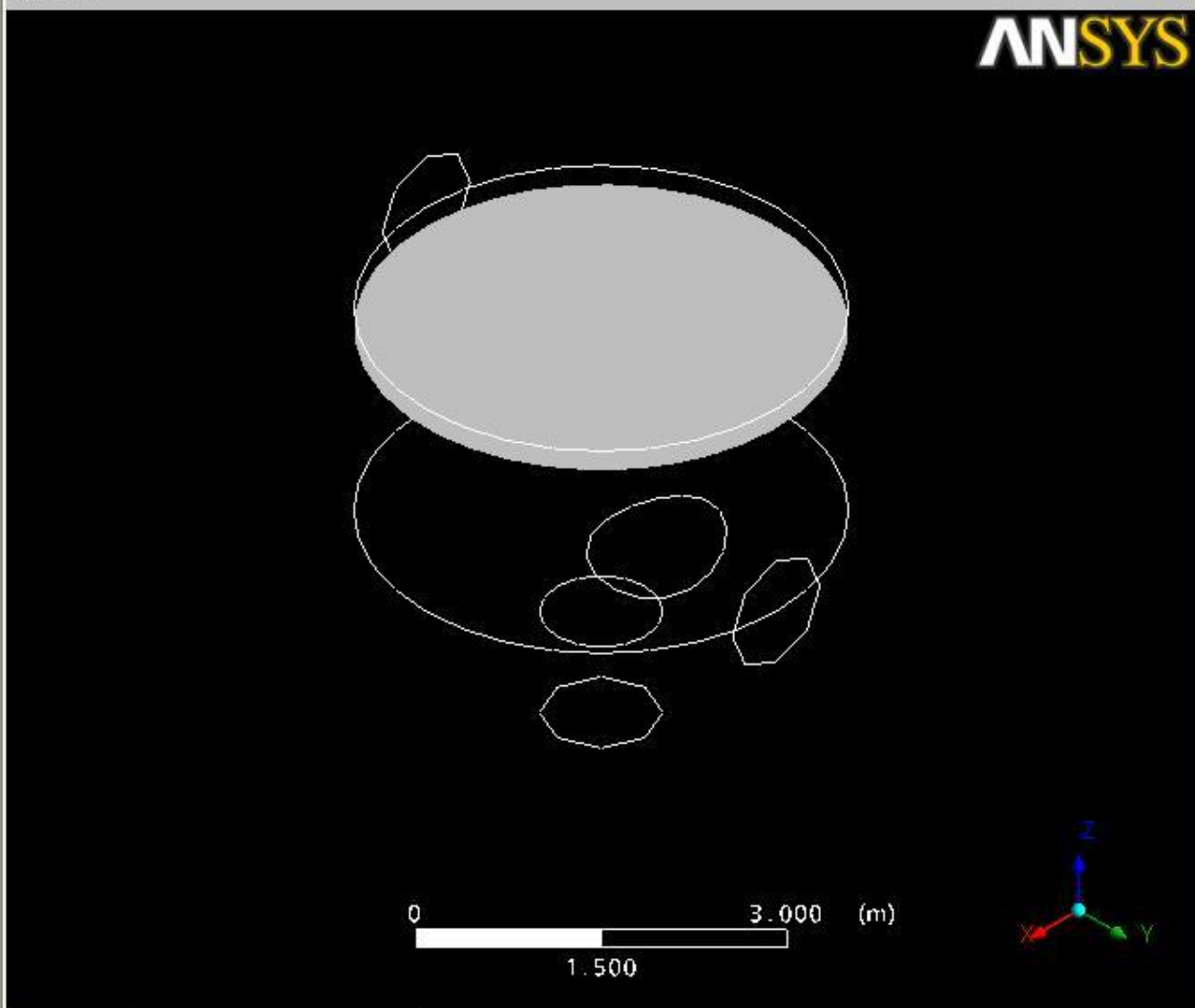


Apply

Reset

Defaults

View 1



3D Viewer

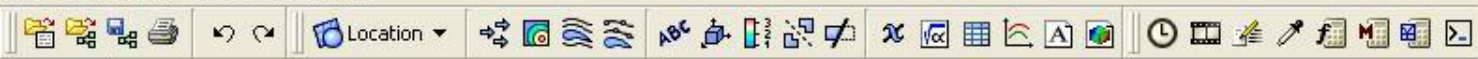
Table Viewer

Chart Viewer

Comment Viewer

Report Viewer





Outline Variables Quantitative Tools Turbo

- sm\_001
  - Default Domain
    - Default Domain Default
    - in1
    - in2
    - out
  - Mesh Regions
  - User Locations and Plots
    - Default Transform
    - Default Legend View 1
    - Plane 1
    - Streamline 1
    - Wireframe
  - Report
    - Title Page
    - File Report
    - Mesh Report

Details of Plane 1

Geometry **Colour** Render View

Mode: Constant

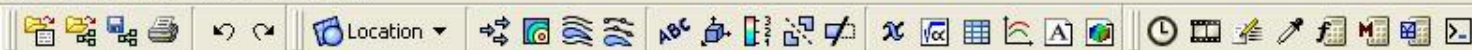
Colour: [Color Picker]

Apply Reset Defaults

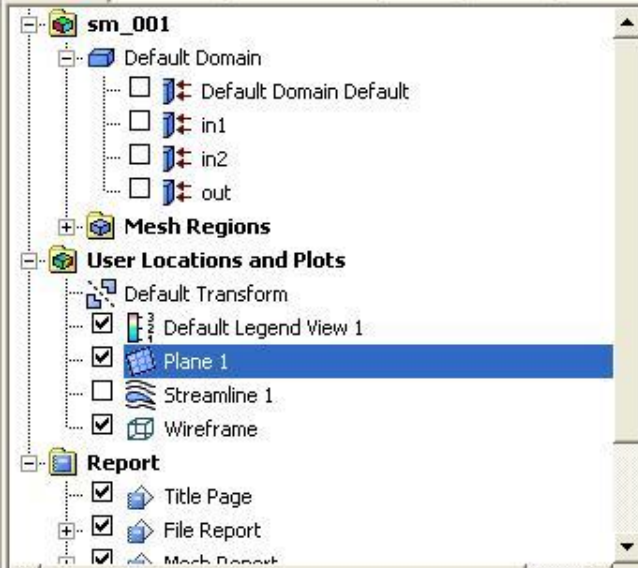
View 1

ANSYS

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer

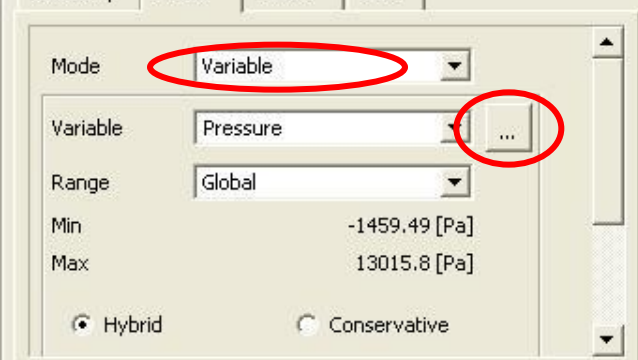


Outline Variables Quantitative Tools Turbo



## Details of Plane 1

Geometry Colour Render View

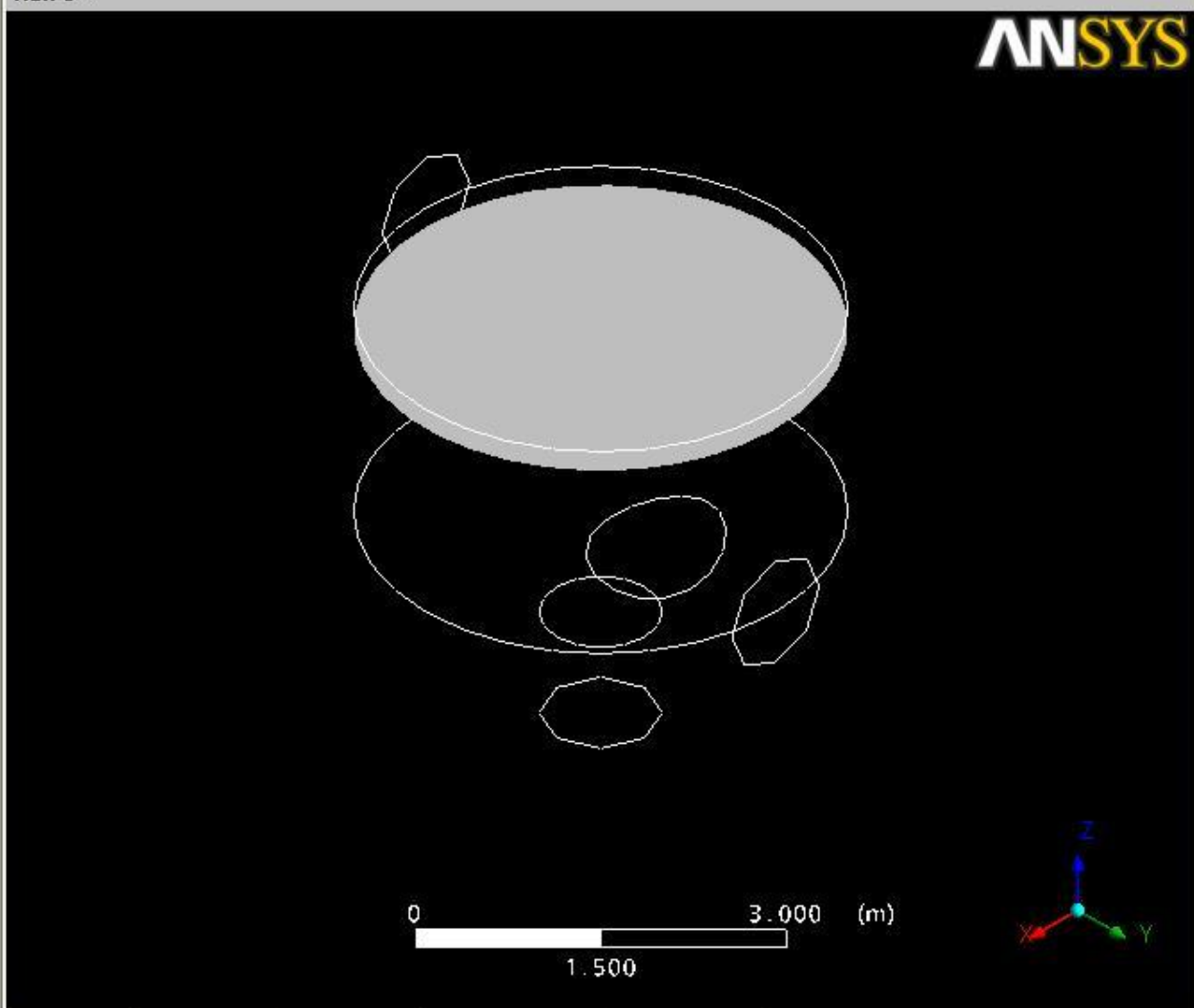


Apply

Reset

Defaults

View 1



3D Viewer

Table Viewer

Chart Viewer

Comment Viewer

Report Viewer

The image shows the ANSYS CFX-Post interface with the Variable Selector dialog box open. The dialog lists various variables, with 'Temperature' selected. The 'Apply' button in the bottom left of the main window is also circled in red.

**Variable Selector**

- Variable
- Normal Z
- Orthogonality Angle
- Pressure
- Pressure.Gradient
- Pressure.Gradient X
- Pressure.Gradient Y
- Pressure.Gradient Z
- Real partition number
- Shear Strain Rate
- Solver Yplus
- Specific Heat Capacity at Constant Pressure
- Specific Heat Capacity at Constant Volume
- Specific Volume
- Static Enthalpy
- Static Entropy
- Temperature**
- Thermal Conductivity
- Total Pressure
- Total Temperature
- Turbulence Eddy Dissipation
- Turbulence Eddy Frequency
- Turbulence Kinetic Energy
- Velocity
- Velocity u
- Velocity u.Gradient
- Velocity u.Gradient X
- Velocity u.Gradient Y
- Velocity u.Gradient Z
- Velocity v
- Velocity v.Gradient
- Velocity v.Gradient X
- Velocity v.Gradient Y
- Velocity v.Gradient Z

**Details of Plane 1**

Geometry Colour Render View

Mode Variable

Variable Pressure

Range Global

Min -1459.49 [Pa]

Max 13015.8 [Pa]

Hybrid Conservative

Apply Reset Defaults

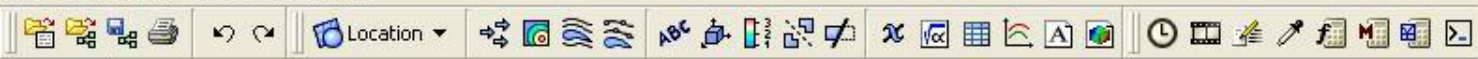
OK Cancel

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer

3.000 (m)

1.500





**Outline** | Variables | Quantitative | Tools | Turbo

- sm\_001
  - Default Domain
    - Default Domain Default
    - in1
    - in2
    - out
  - Mesh Regions
  - User Locations and Plots
    - Default Transform
    - Default Legend View 1
    - Plane 1
    - Streamline 1
    - Wireframe
  - Report
    - Title Page
    - File Report
    - Mesh Report

**Details of Plane 1**

Geometry | Colour | Render | View

Mode: Variable

Variable: Temperature

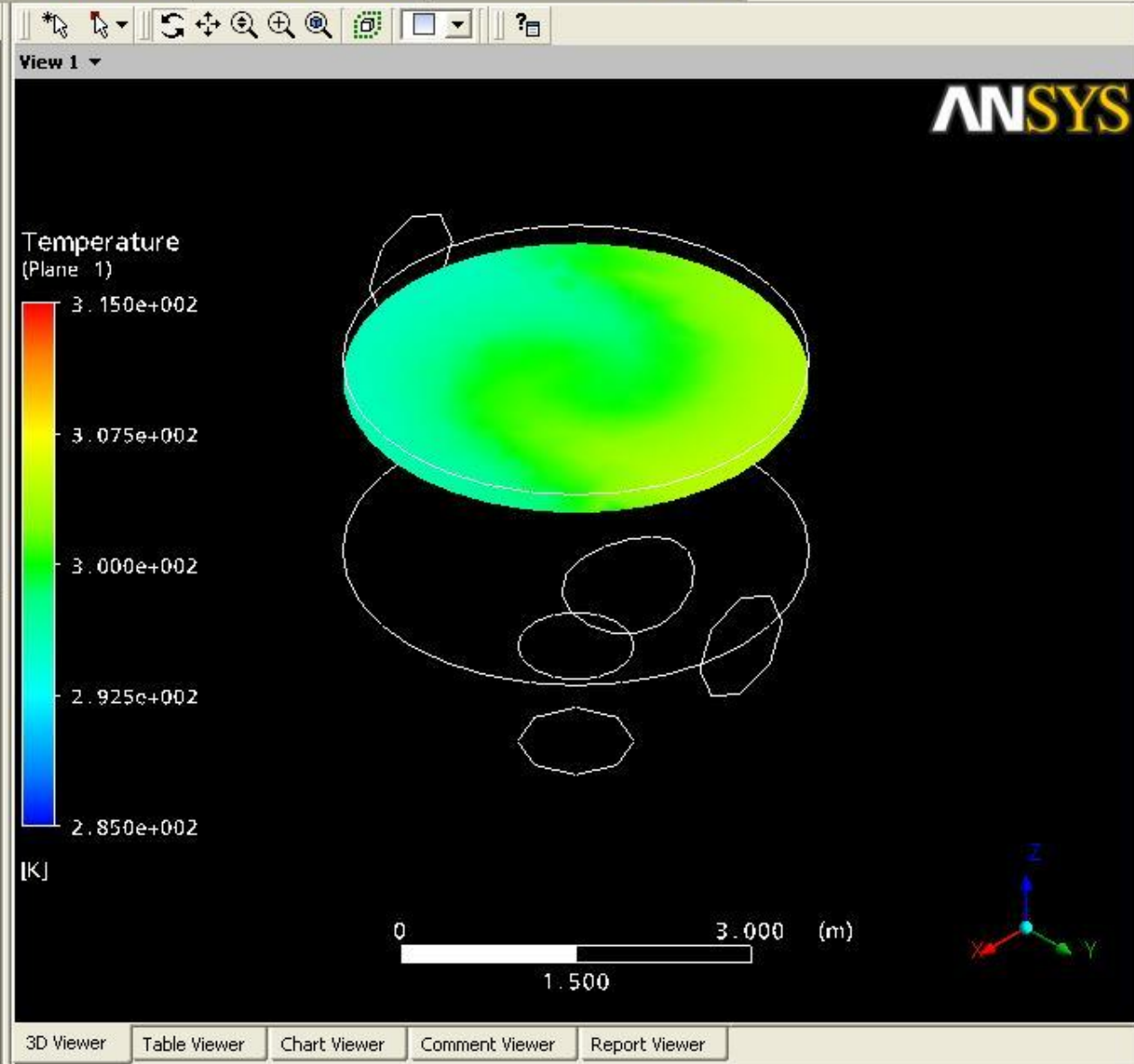
Range: Global

Min: 285 [K]

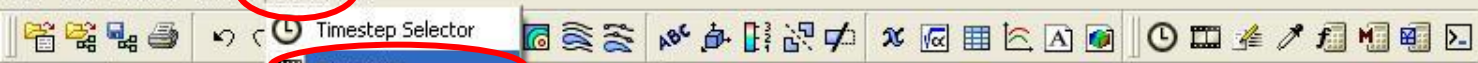
Max: 315 [K]

Hybrid  Conservative

Apply | Reset | Defaults







Outline Variables Q...

- sm\_001
  - Default Domain
    - Default
    - in1
    - in2
    - out
  - Mesh Regions
  - User Locations and Plots
    - Default Transform
    - Default Legend View 1
    - Plane 1**
    - Streamline 1
    - Wireframe
  - Report
    - Title Page
    - File Report
    - Mesh Report

Tools

- Timestep Selector
- Animation**
- Quick Editor
- Probe
- Function Calculator
- Macro Calculator
- Mesh Calculator
- Command Editor

Details of **Plane 1**

Geometry Colour Render View

Mode: Variable

Variable: Temperature

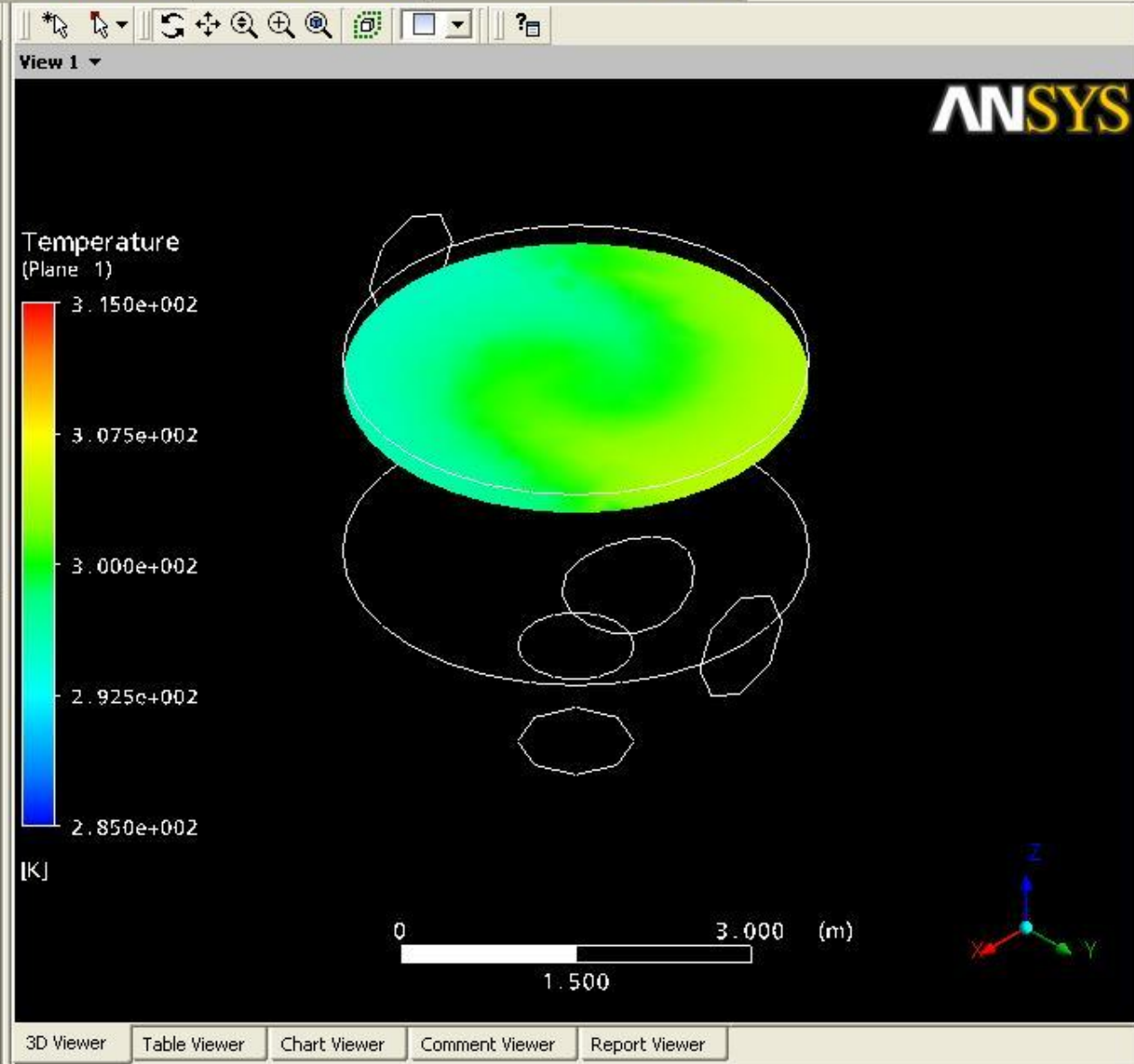
Range: Global

Min: 285 [K]

Max: 315 [K]

Hybrid  Conservative

Apply Reset Defaults



**sm\_001**

- Default Domain
  - Default Domain Default
  - in1
  - in2
  - out
- Mesh Regions
- User Locations and Plots
  - Default Transform
  - Default Legend View 1
  - Plane 1
  - Streamline 1
  - Wireframe
- Report
  - Title Page
  - File Report
  - Mesh Report

Details of Plane 1

Geometry Colour Render View

Mode: Variable

Variable: Temperature

Range: Global

Min: 2

Max: 3

Hybrid Conservative

Apply Reset Defaults

**Animation**

Keyframe Animation Quick Animation

#	Keyframe	Frame #	Frames
Use <b>New</b> button at the right to add at least two keyframes.			

# of Frames: 10

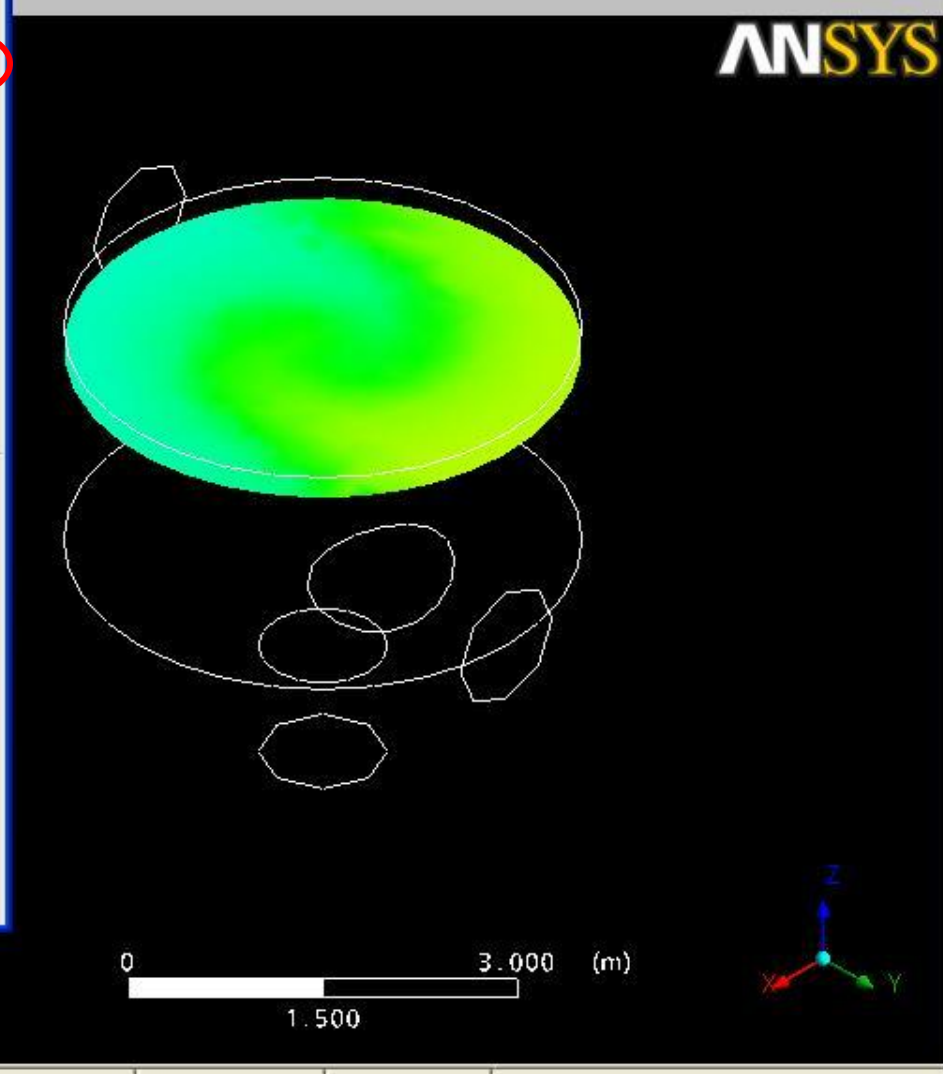
Loop Bounce

Repeat: 1

Save MPEG

Animate Camera

Options...



**sm\_001**

- Default Domain
  - Default Domain Default
  - in1
  - in2
  - out
- Mesh Regions
- User Locations and Plots
  - Default Transform
  - Default Legend View 1
  - Plane 1
  - Streamline 1
  - Wireframe
- Report
  - Title Page
  - File Report
  - Mesh Report

## Details of Plane 1

Geometry Colour Render View

Mode Variable

Variable Temperature

Range Global

Min 2

Max 3

 Hybrid
  Conservative

Apply

Reset

Defaults

## Animation

 Keyframe Animation
  Quick Animation

#	Keyframe	Frame #	Frames
1	KeyframeNo1	1	10

# of Frames 10


 Loop

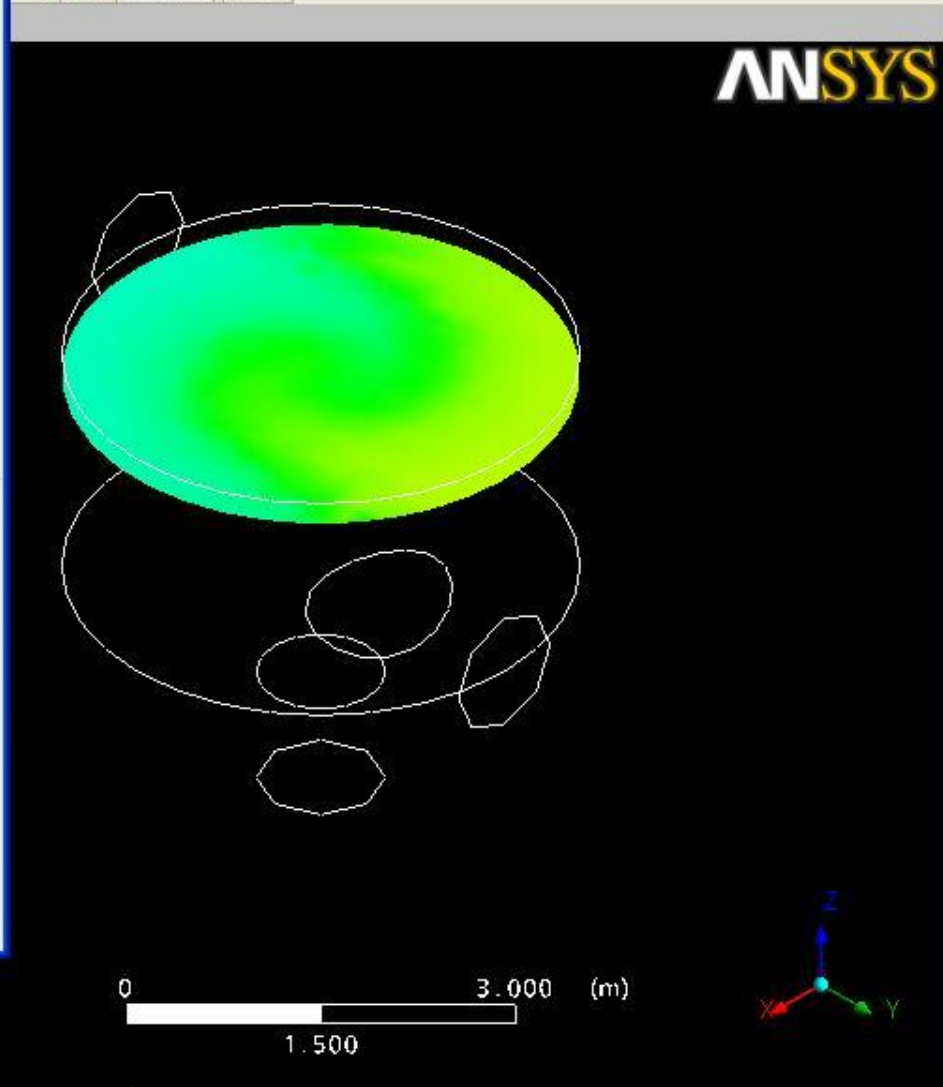
 Bounce

Repeat 1

 Save MPEG cfxMovie.mpg

 Animate Camera

Options...



3D Viewer

Table Viewer

Chart Viewer

Comment Viewer

Report Viewer



Location

Outline Variables Quantitative Tools Turbo

**sm\_001**

- Default Domain
  - Default Domain Default
  - in1
  - in2
  - out
- Mesh Regions
- User Locations and Plots
  - Default Transform
  - Default Legend View 1
  - Plane 1**
  - Streamline 1
  - Wireframe
- Report
  - Title Page
  - File Report
  - Mesh Report

Details of **Plane 1**

Geometry **Colour** Render View

Domains: All Domains

Definition

Method: XY Plane

Z: 1.812 [m]

Plane Bounds - None

Plane Type - Slice

Apply Reset Defaults

**Animation** ? X

Keyframe Animation Quick Animation

#	Keyframe	Frame #	Frames
1	KeyframeNo1	1	10

# of Frames: 10

F: 1 K: 1

Loop
  Bounce

Repeat: 1

Save MPEG: cfxMovie.mpg

Animate Camera

ANSYS

0 3.000 (m)

1.500

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer



Location

Outline Variables Quantitative Tools Turbo

**sm\_001**

- Default Domain
  - Default Domain Default
  - in1
  - in2
  - out
- Mesh Regions
- User Locations and Plots
  - Default Transform
  - Default Legend View 1
  - Plane 1
  - Streamline 1
  - Wireframe
- Report
  - Title Page
  - File Report
  - Mesh Report

**Details of Plane 1**

Geometry Colour Render View

Domains: All Domains

Definition

Method: XY Plane

Z: -1.936 [m]

Plane Bounds - None

Plane Type - Slice

Apply Reset Defaults

**Animation**

Keyframe Animation Quick Animation

#	Keyframe	Frame #	Frames
1	KeyframeNo1	1	10

# of Frames: 10

Loop Bounce

Repeat: 1

Save MPEG: cfxMovie.mpg

Animate Camera

Options...

0 1.500 3.000 (m)

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer

Location

Outline Variables Quantitative Tools Turbo

**sm\_001**

- Default Domain
  - Default Domain Default
  - in1
  - in2
  - out
- Mesh Regions
- User Locations and Plots
  - Default Transform
  - Default Legend View 1
  - Plane 1**
  - Streamline 1
  - Wireframe
- Report
  - Title Page
  - File Report
  - Mesh Report

**Details of Plane 1**

Geometry Colour Render View

Domains: All Domains

Definition

Method: XY Plane

Z: -1.936 [m]

Plane Bounds - None

Plane Type - Slice

Apply Reset Defaults

**Animation**

Keyframe Animation Quick Animation

#	Keyframe	Frame #	Frames
1	KeyframeNo1	1	10

# of Frames: 10

Loop Bounce

Repeat: 1

Save MPEG: cfxMovie.mpg

Animate Camera Options...

0 1.500 3.000 (m)

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer

Location

Outline Variables Quantitative Tools Turbo

**sm\_001**

- Default Domain
  - Default Domain Default
  - in1
  - in2
  - out
- Mesh Regions
- User Locations and Plots
  - Default Transform
  - Default Legend View 1
  - Plane 1
  - Streamline 1
  - Wireframe
- Report
  - Title Page
  - File Report
  - Mesh Report

Details of **Plane 1**

Geometry Colour Render View

Domains: All Domains

Definition

Method: XY Plane

Z: -1.936 [m]

Plane Bounds - None

Plane Type - Slice

Apply Reset Defaults

### Animation

Keyframe Animation  Quick Animation

#	Keyframe	Frame #	Frames
1	KeyframeNo1	1	10
2	KeyframeNo2	1	10

# of Frames: 10

F: 12 K: 2

Loop  Bounce

Repeat: 1

Save MPEG: cfxMovie.mpg

Animate Camera

ANSYS

0 1.500 3.000 (m)

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer

ANSYS CFX 11.0 ANSYS CFX-11... Безымянный - P... {}/panfs/panasa... mc - /panfs/pan... CFX-Post: C:/CF... EN 14:41



Location

Outline Variables Quantitative Tools Turbo

**sm\_001**

- Default Domain
  - Default Domain Default
  - in1
  - in2
  - out
- Mesh Regions
- User Locations and Plots
  - Default Transform
  - Default Legend View 1
  - Plane 1
  - Streamline 1
  - Wireframe
- Report
  - Title Page
  - File Report
  - Mesh Report

Details of **Plane 1**

Geometry Colour Render View

Domains: All Domains

Definition

Method: XY Plane

Z: -1.936 [m]

Plane Bounds - None

Plane Type - Slice

Apply Reset Defaults

### Animation

Keyframe Animation  Quick Animation

#	Keyframe	Frame #	Frames
1	KeyframeNo1		10
2	KeyframeNo2	12	10

# of Frames: 10

Navigation: [Previous] [First] [Last] [Next] [Stop]

F: 12 K: 2

Loop  Bounce

Repeat: 1

Save MPEG: cfxMovie.mpg

Animate Camera Options...

ANSYS

0 1.500 3.000 (m)

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer

ANSYS CFX 11.0 ANSYS CFX-11... Безымянный - P... {/panfs/panasa... mc - /panfs/pan... CFX-Post: C:/CF... EN 14:42

Location

Outline Variables Quantitative Tools Turbo

**sm\_001**

- Default Domain
  - Default Domain Default
  - in1
  - in2
  - out
- Mesh Regions
- User Locations and Plots
  - Default Transform
  - Default Legend View 1
  - Plane 1**
  - Streamline 1
  - Wireframe
- Report
  - Title Page
  - File Report
  - Mesh Report

**Details of Plane 1**

Geometry Colour Render View

Domains: All Domains

Definition

Method: XY Plane

Z: -1.936 [m]

Plane Bounds - None

Plane Type - Slice

Apply Reset Defaults

### Animation

Keyframe Animation  Quick Animation

#	Keyframe	Frame #	Frames
1	KeyframeNo1	1	10
2	KeyframeNo2	12	10

# of Frames: 20

F: 12 K: 2

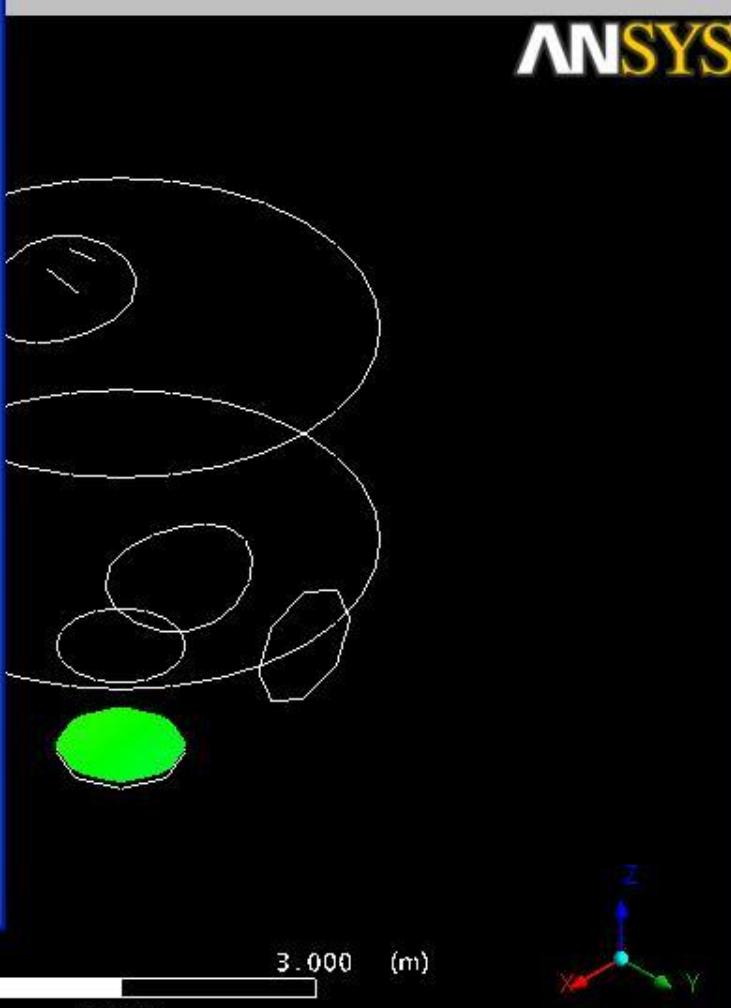
Loop  Bounce

Repeat: 1

Save MPEG: cfxMovie.mpg

Animate Camera

ANSYS



0 1.500 3.000 (m)

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer

ANSYS CFX 11.0 ANSYS CFX-11... Безымянный - P... {/panfs/panasa... mc - /panfs/pan... CFX-Post: C:/CF... EN 14:42

Location

Outline Variables Quantitative Tools Turbo

**sm\_001**

- Default Domain
  - Default Domain Default
  - in1
  - in2
  - out
- Mesh Regions
- User Locations and Plots
  - Default Transform
  - Default Legend View 1
  - Plane 1**
  - Streamline 1
  - Wireframe
- Report
  - Title Page
  - File Report
  - Mesh Report

**Details of Plane 1**

Geometry Colour Render View

Domains: All Domains

Definition

Method: XY Plane

Z: -1.936 [m]

Plane Bounds - None

Plane Type - Slice

Apply Reset Defaults

### Animation

Keyframe Animation  Quick Animation

#	Keyframe	Frame #	Frames
1	KeyframeNo1	1	20
2	KeyframeNo2	22	20

# of Frames: 20

F: 2 K: 1

Loop  Bounce

Repeat: 1

Save MPEG: cfxMovie.mpg

Animate Camera

ANSYS

0 1.500 3.000 (m)

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer

Plane 100%



Location

Outline Variables Quantitative Tools Turbo

**sm\_001**

- Default Domain
  - Default Domain Default
  - in1
  - in2
  - out
- Mesh Regions
- User Locations and Plots
  - Default Transform
  - Default Legend View 1
  - Plane 1**
  - Streamline 1
  - Wireframe
- Report
  - Title Page
  - File Report
  - Mesh Report

Details of **Plane 1**

Geometry Colour Render View

Domains: All Domains

Definition

Method: XY Plane

Z: -1.936 [m]

Plane Bounds - None

Plane Type - Slice

Apply Reset Defaults

### Animation

Keyframe Animation Quick Animation

#	Keyframe	Frame #	Frames
1	KeyframeNo1	1	20
2	KeyframeNo2	22	20

# of Frames: 20

Repeat: 1

Save MPEG cfxMovie.mpg

Animate Camera

Options...

ANSYS

0 1.500 3.000 (m)

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer

Location

Outline Variables Quantitative Tools Turbo

**sm\_001**

- Default Domain
  - Default Domain Default
  - in1
  - in2
  - out
- Mesh Regions
- User Locations and Plots
  - Default Transform
  - Default Legend View 1
  - Plane 1**
  - Streamline 1
  - Wireframe
- Report
  - Title Page
  - File Report
  - Mesh Report

Details of **Plane 1**

Geometry Colour Render View

Domains: All Domains

Definition

Method: XY Plane

Z: -1.936 [m]

Plane Bounds - None

Plane Type - Slice

Apply Reset Defaults

### Animation

Keyframe Animation  Quick Animation

#	Keyframe	Frame #	Frames
1	KeyframeNo1	1	20
2	KeyframeNo2	22	20

# of Frames: 20

F: 22 K: 2

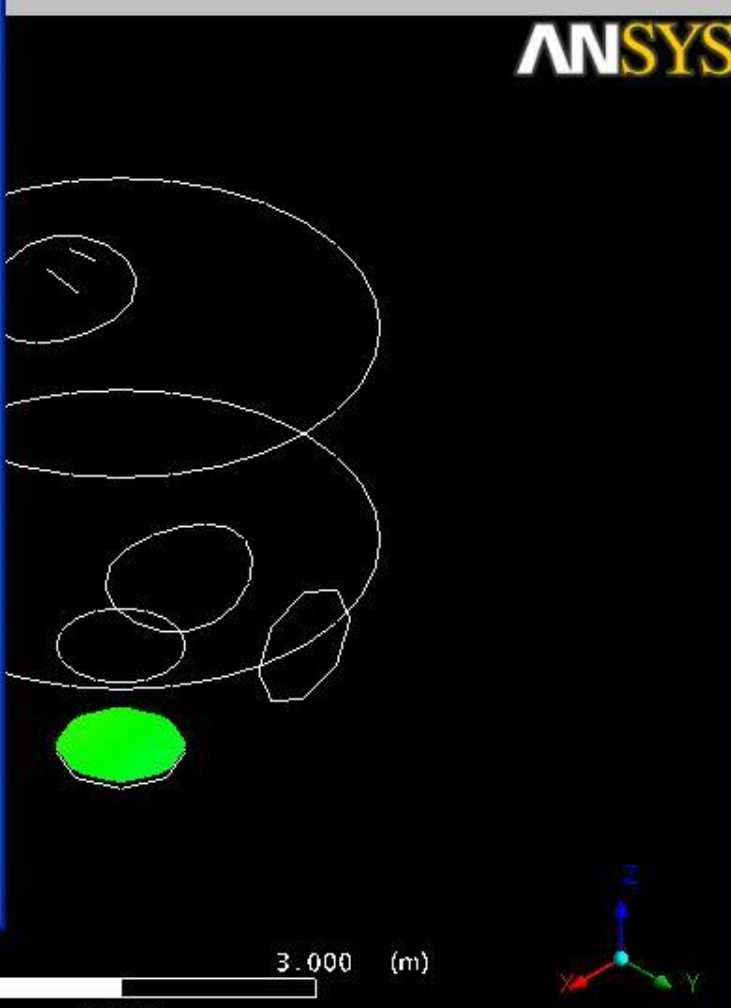
Loop  Bounce

Repeat: 1

Save MPEG: cfxMovie.mpg

Animate Camera

ANSYS



0 1.500 3.000 (m)

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer

ANSYS CFX 11.0 ANSYS CFX-11... Безымянный - P... {/panfs/panasa... mc - /panfs/pan... CFX-Post: C:/CF... EN 14:45

Location

Outline Variables Quantitative Tools Turbo

**sm\_001**

- Default Domain
  - Default Domain Default
  - in1
  - in2
  - out
- Mesh Regions
- User Locations and Plots
  - Default Transform
  - Default Legend View 1
  - Plane 1**
  - Streamline 1
  - Wireframe
- Report
  - Title Page
  - File Report
  - Mesh Report

Details of **Plane 1**

Geometry Colour Render View

Domains: All Domains

Definition

Method: XY Plane

Z: -1.936 [m]

Plane Bounds - None

Plane Type - Slice

Apply Reset Defaults

### Animation

Keyframe Animation Quick Animation

#	Keyframe	Frame #	Frames
1	KeyframeNo1	1	20
2	KeyframeNo2	22	20

# of Frames: 20

F: 22 K: 2

Loop
  Bounce

Repeat: 1

Save MPEG: cfxMovie.mpg

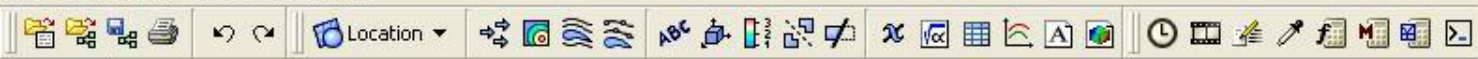
Animate Camera

ANSYS

0 1.500 3.000 (m)

3D Viewer Table Viewer Chart Viewer Comment Viewer Report Viewer





**Outline** | Variables | Quantitative | Tools | Turbo

- sm\_001
  - Default Domain
    - Default Domain Default
    - in1
    - in2
    - out
  - Mesh Regions
  - User Locations and Plots
    - Default Transform
    - Default Legend View 1
    - Plane 1**
    - Streamline 1
    - Wireframe
  - Report
    - Title Page
    - File Report
    - Mesh Report

**Details of Plane 1**

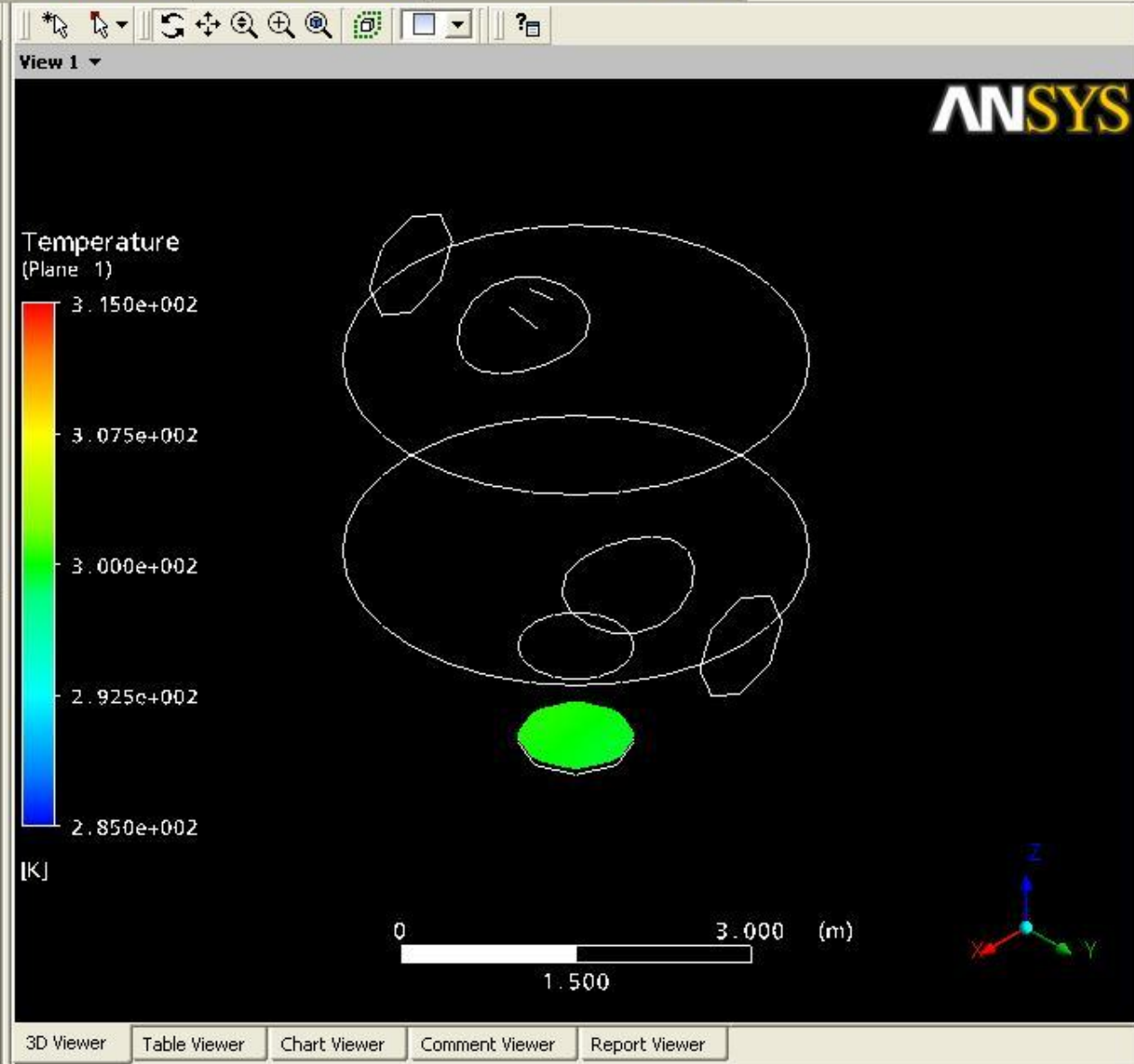
Geometry | Colour | Render | View

Domains: All Domains

Definition:
 

- Method: XY Plane
- Z: -1.936 [m]
- Plane Bounds: None
- Plane Type: Slice

Buttons: Apply, Reset, Defaults



- Load Results... Ctrl+L
- Close Ctrl+W
- Load State... Ctrl+O
- Save State Ctrl+S
- Save State As...
- Import...
- Export...
- ANSYS Import/Export
- Report
- Print... Ctrl+P
- Recent Results Files
- Recent State Files
- Recent Session Files
- Quit Ctrl+Q**
- File Report
- Mesh Report

Details of **Plane 1**

Geometry Colour Render View

Domains: All Domains

Definition

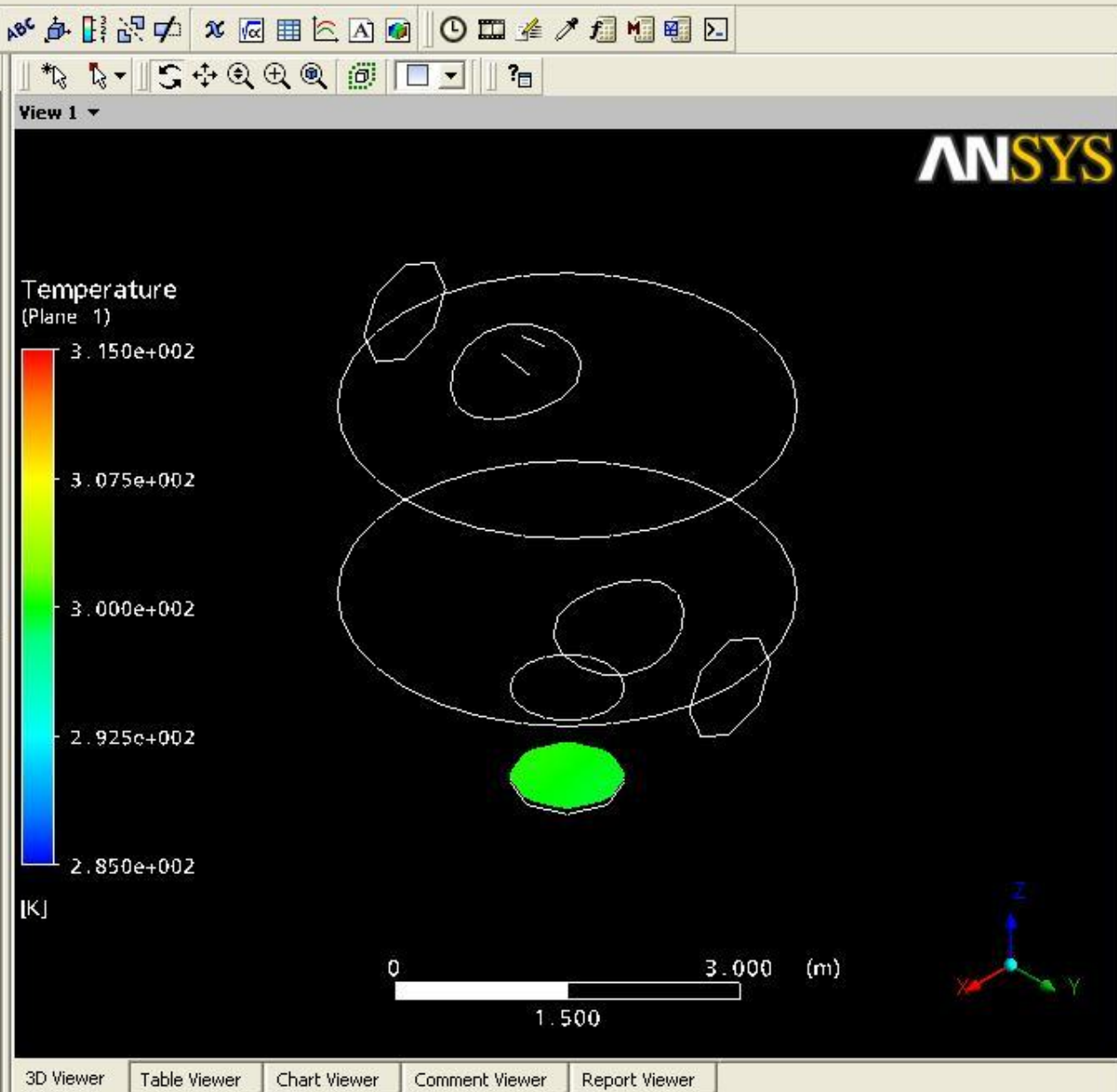
Method: XY Plane

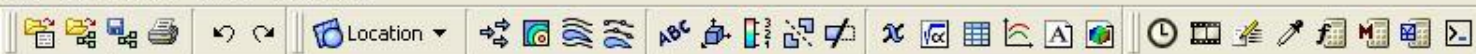
Z: -1.936 [m]

Plane Bounds - None

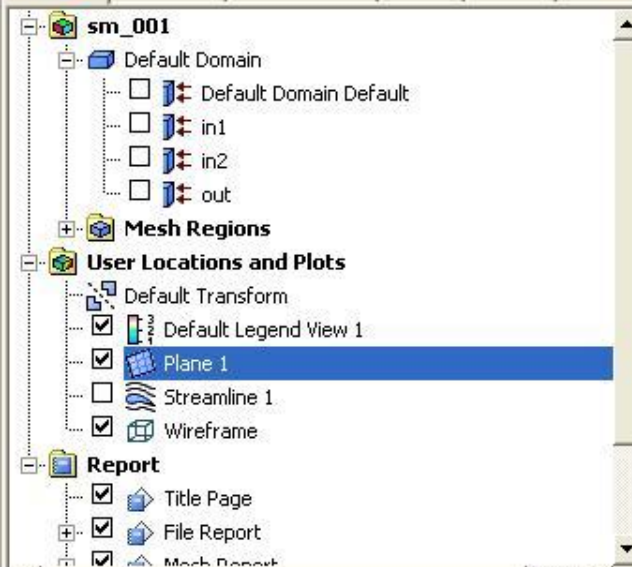
Plane Type - Slice

Apply Reset Defaults

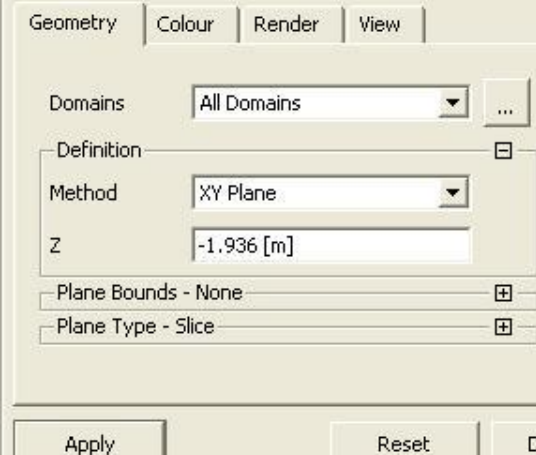




Outline Variables Quantitative Tools Turbo



Details of Plane 1



View 1

Temperature  
(Plane 1)

3.150e+002

Quit CFX-Post  
Would you like to save the current state before proceeding?

Save &amp; Quit

Quit

Cancel

2.925e+002

2.850e+002

[K]

0 3.000 (m)

1.500

3D Viewer

Table Viewer

Chart Viewer

Comment Viewer

Report Viewer



putty060

Far Manager

→ ANSYS CFX-11.0 Launcher (on COMP1)

File Edit CFX Show Tools User Help

CFX-Pre 11.0 CFX-Solver 11.0 CFX-Post 11.0

Working Directory C:/CFX

Корзина