

Actividad clase Elementos 3d

Presentado por:

Miguel Angel Reales Gaitan - mreales@unal.edu.co

Profesor:

Diego Alfredo Quexada Rodriguez
elgomezl@unal.edu.co

Domingo 16 de Febrero



Universidad Nacional de Colombia
Facultad de Ingeniería
Departamento de Ingeniería Mecánica
2024
Aplicación métodos Finitos

Total Deformation

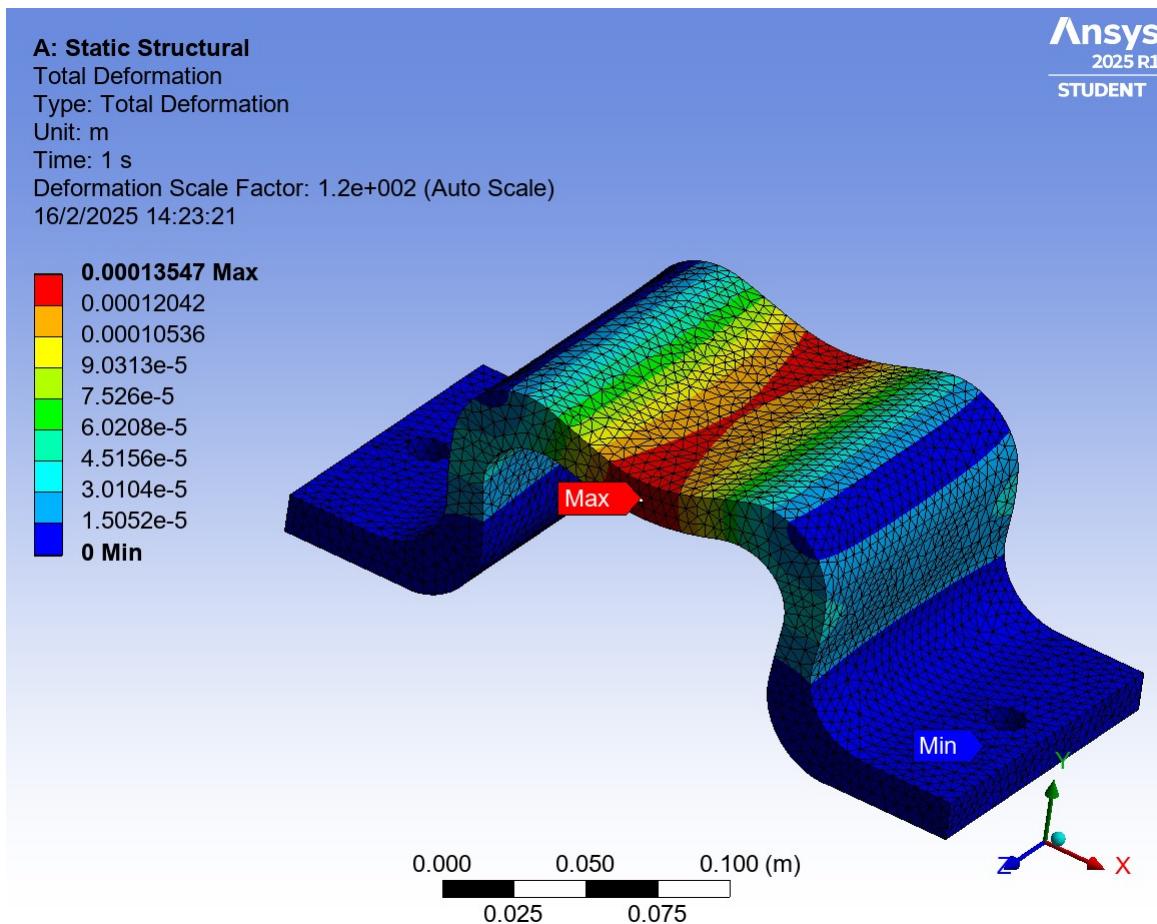
Subject:

Author:

Prepared For:

Date Sunday, February 16, 2025

Comments:



Maximum Principal Stress

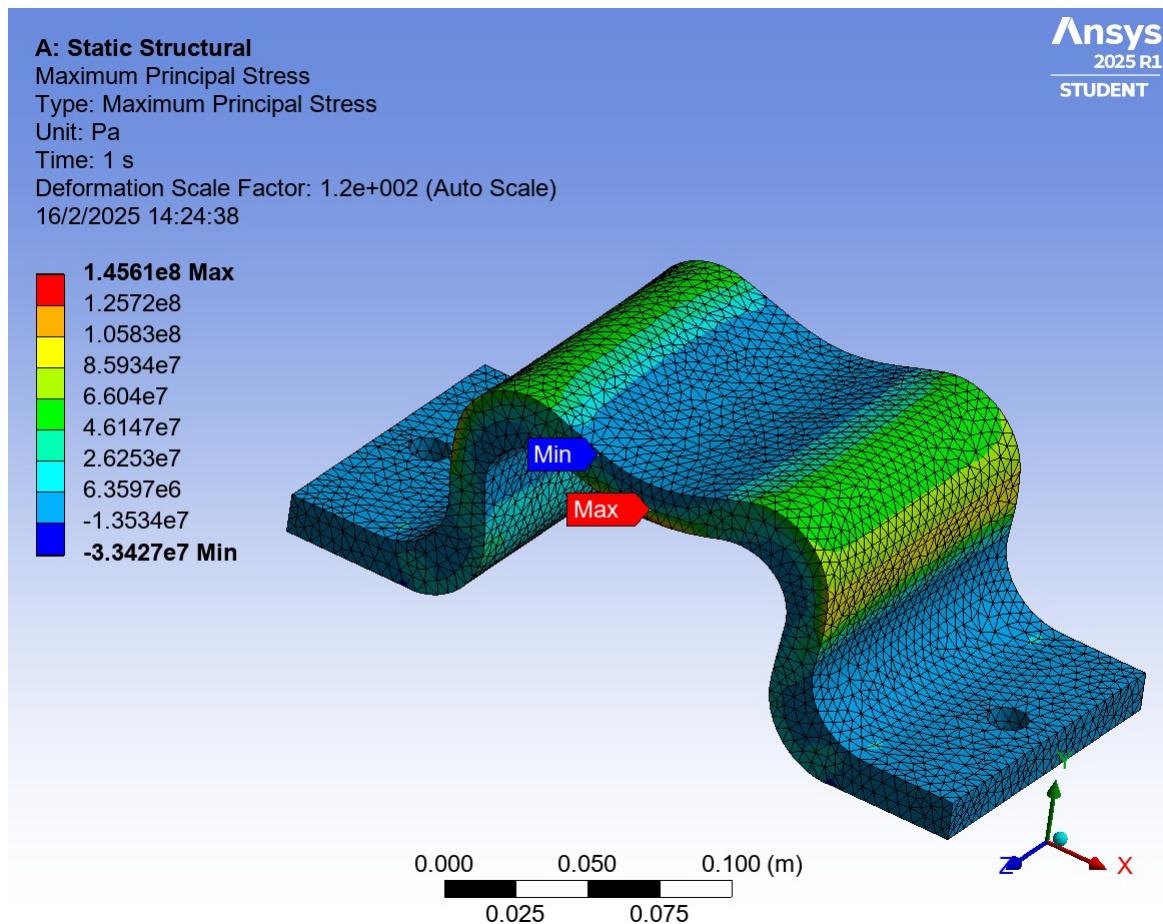
Subject:

Author:

Prepared For:

Date Sunday, February 16, 2025

Comments:



Maximum Principal Stress

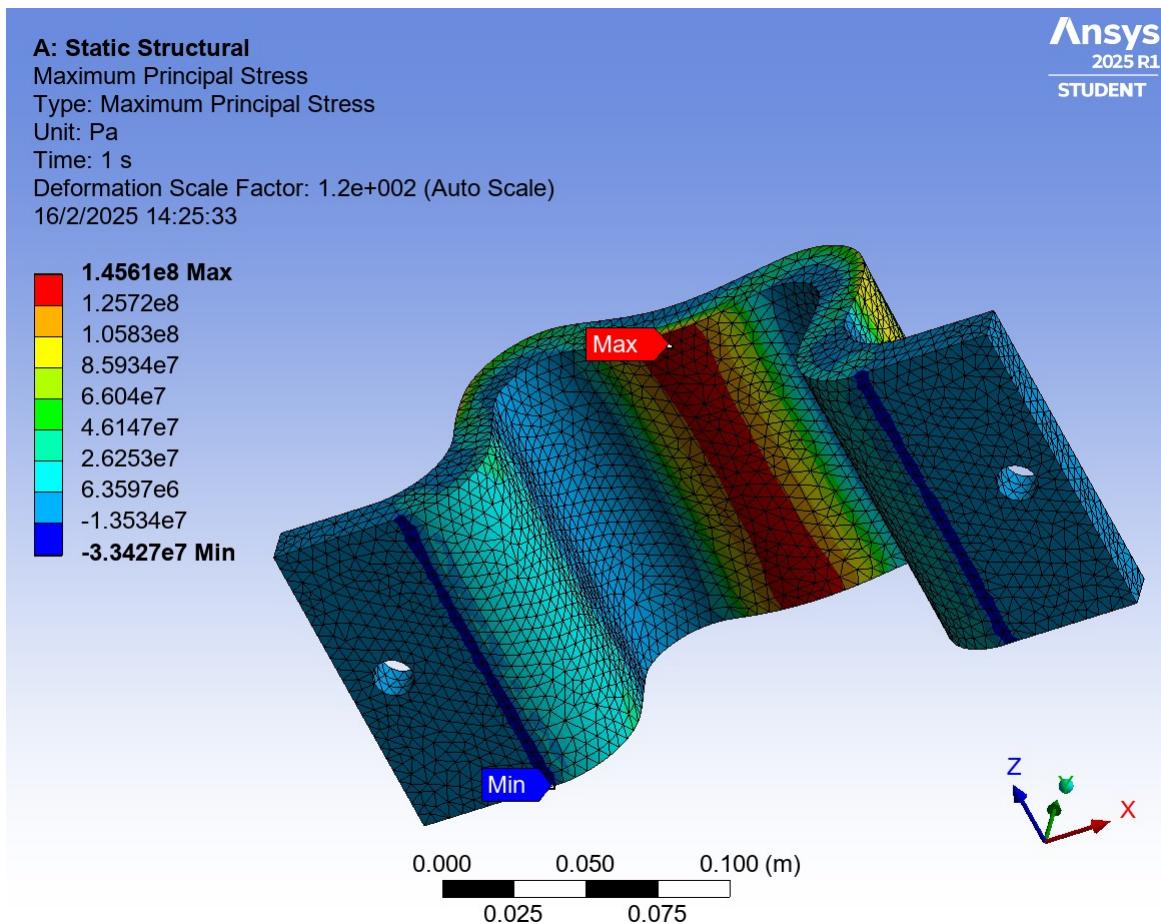
Subject:

Author:

Prepared For:

Date Sunday, February 16, 2025

Comments:



Minimum Principal Stress

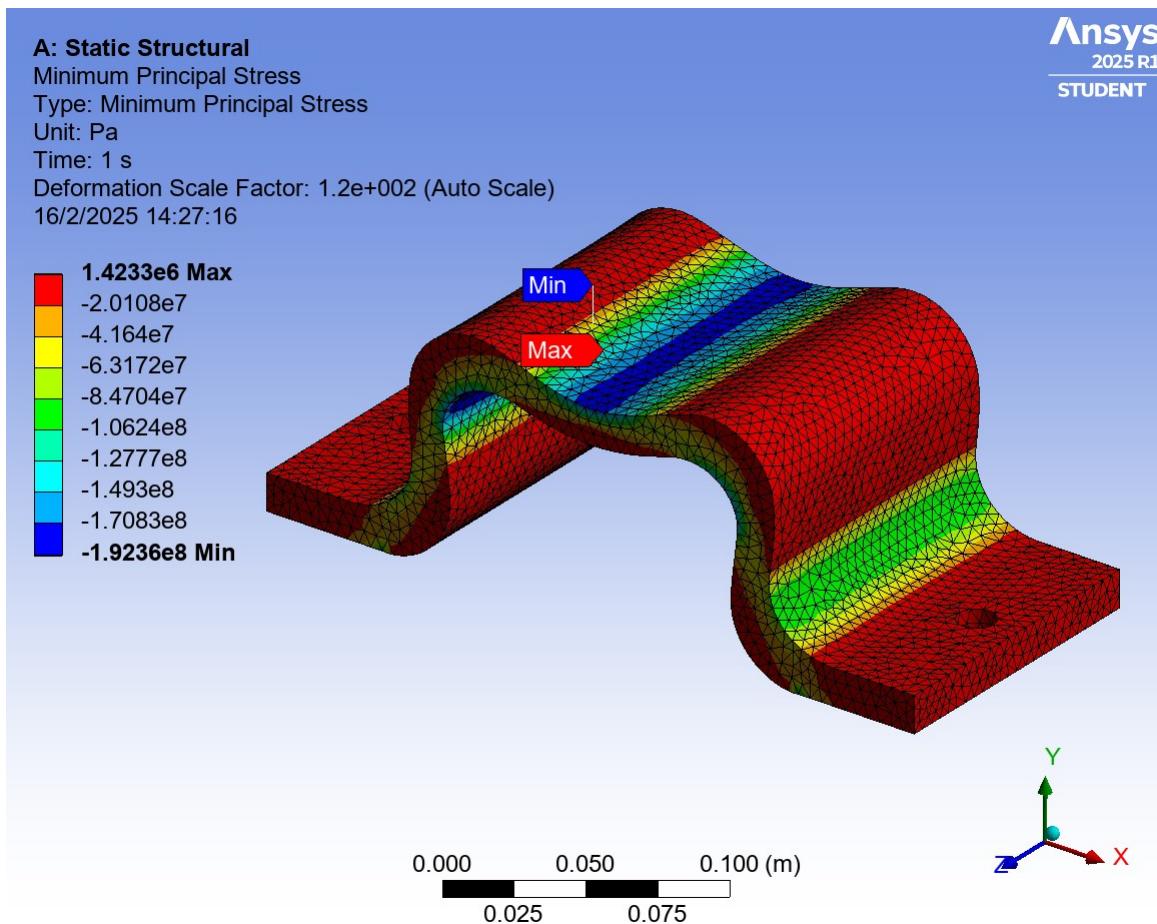
Subject:

Author:

Prepared For:

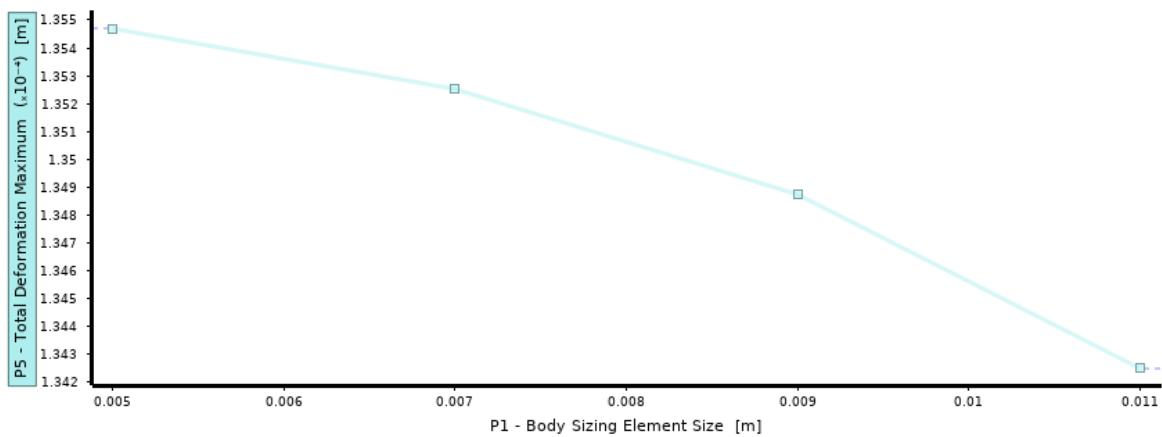
Date Sunday, February 16, 2025

Comments:

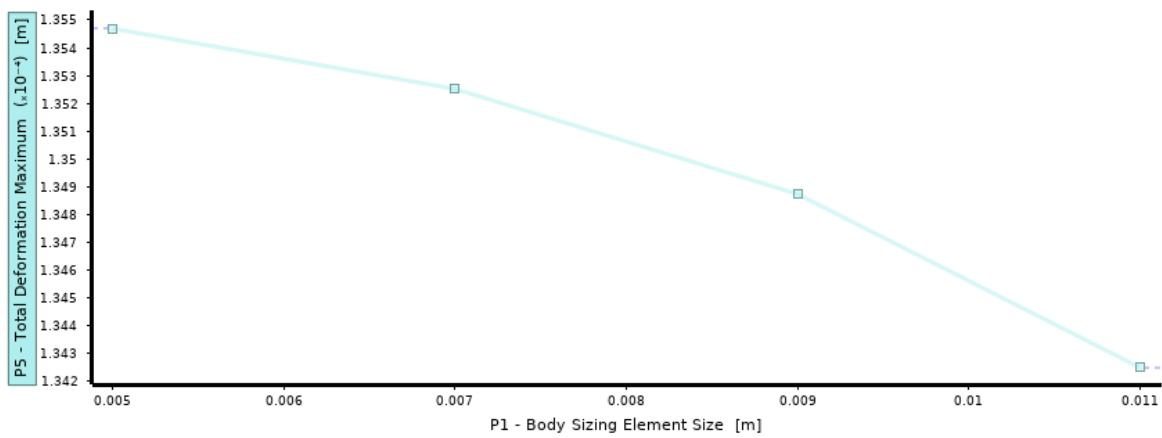


PARAMETROS de salida caso 1 Tarea

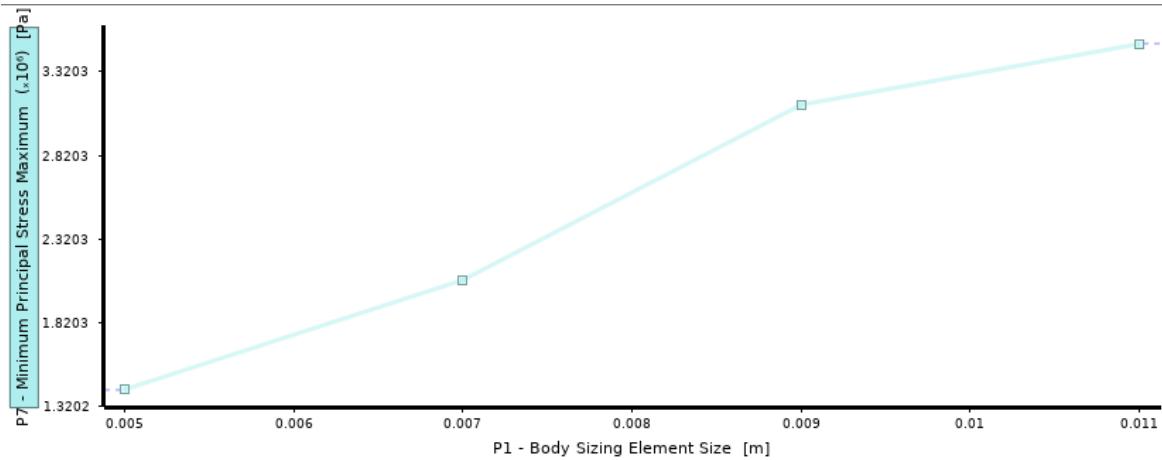
Gráfica: Tamaño Malla vs Deformación total (max)



Gráfica: Tamaño Malla vs Esfuerzo máximo (max)



Gráfica: Tamaño Malla vs Esfuerzo mínimo (max)



Fuerza de reacción calculados

Details of "Force Reaction"	
Results	
Maximum Value Over Time	
X Axis	-2.0143e-005 N
Y Axis	1.0799e+005 N
Z Axis	-1.8172e-005 N
Total	1.0799e+005 N
Minimum Value Over Time	
X Axis	-2.0143e-005 N
Y Axis	1.0799e+005 N
Z Axis	-1.8172e-005 N
Total	1.0799e+005 N
Information	

Momento de reacción calculados

Details of "Moment Reaction"	
Results	
Maximum Value Over Time	
X Axis	-1.0801 N·m
Y Axis	2.3651e-006 N·m
Z Axis	4.6465 N·m
Total	4.7704 N·m
Minimum Value Over Time	
X Axis	-1.0801 N·m
Y Axis	2.3651e-006 N·m
Z Axis	4.6465 N·m
Total	4.7704 N·m
Information	

Force Reaction

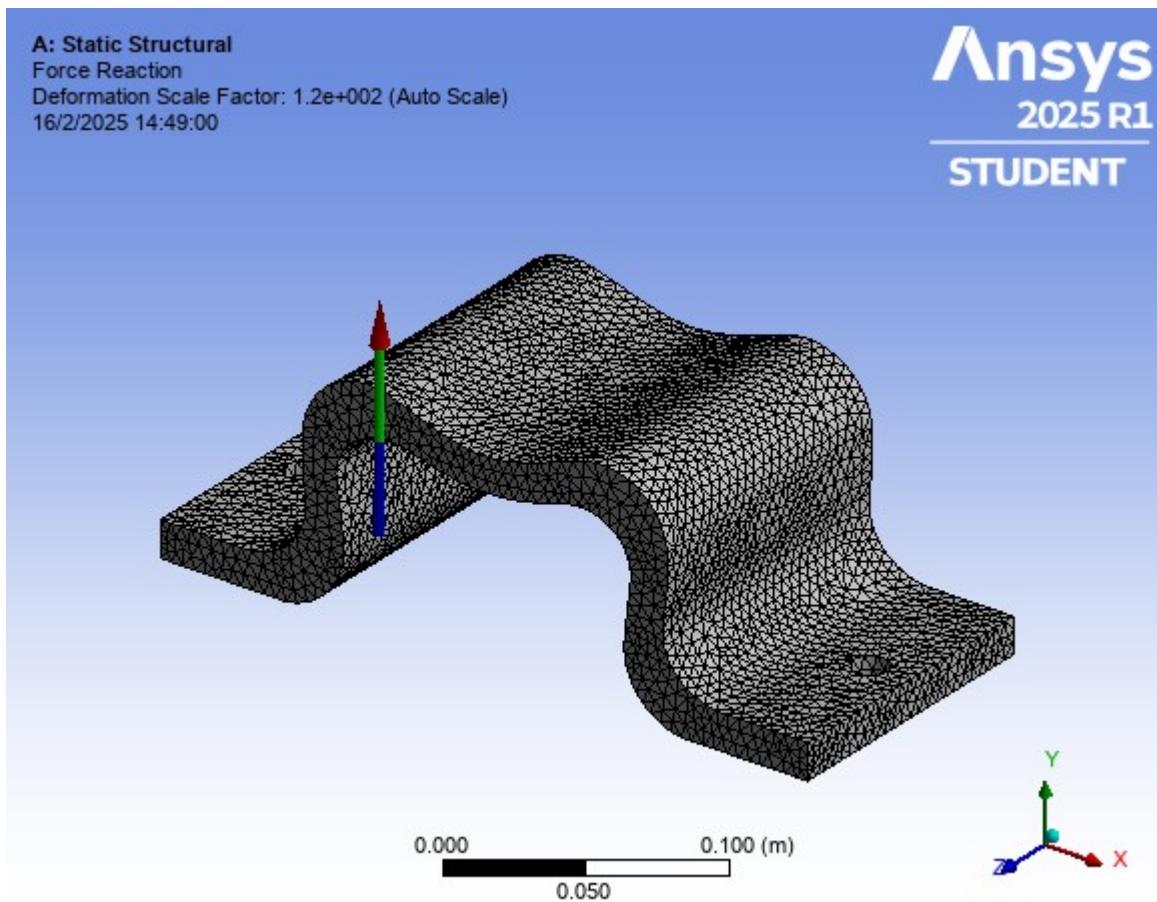
Subject:

Author:

Prepared For:

Date Sunday, February 16, 2025

Comments:



Moment Reaction

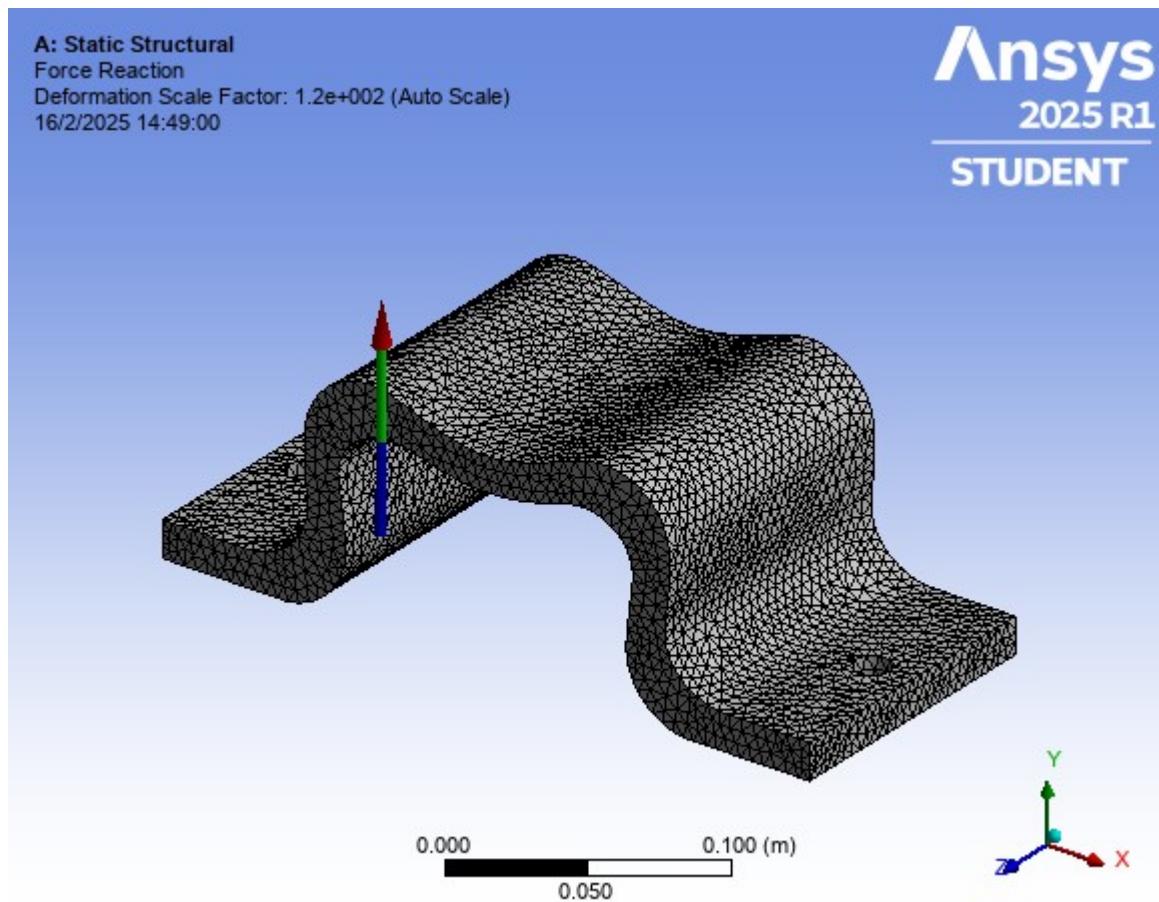
Subject:

Author:

Prepared For:

Date Sunday, February 16, 2025

Comments:



Total Deformation

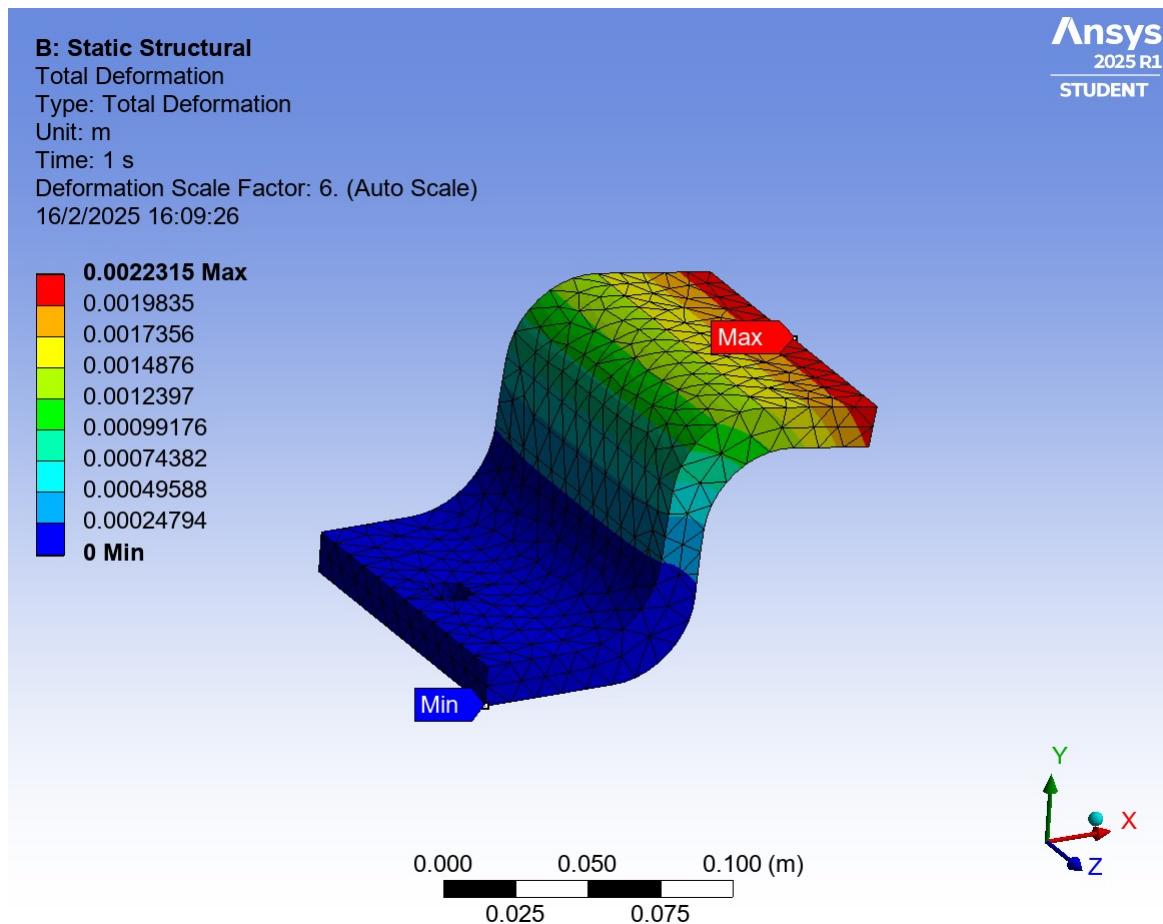
Subject:

Author:

Prepared For:

Date Sunday, February 16, 2025

Comments:



Maximum Principal Stress

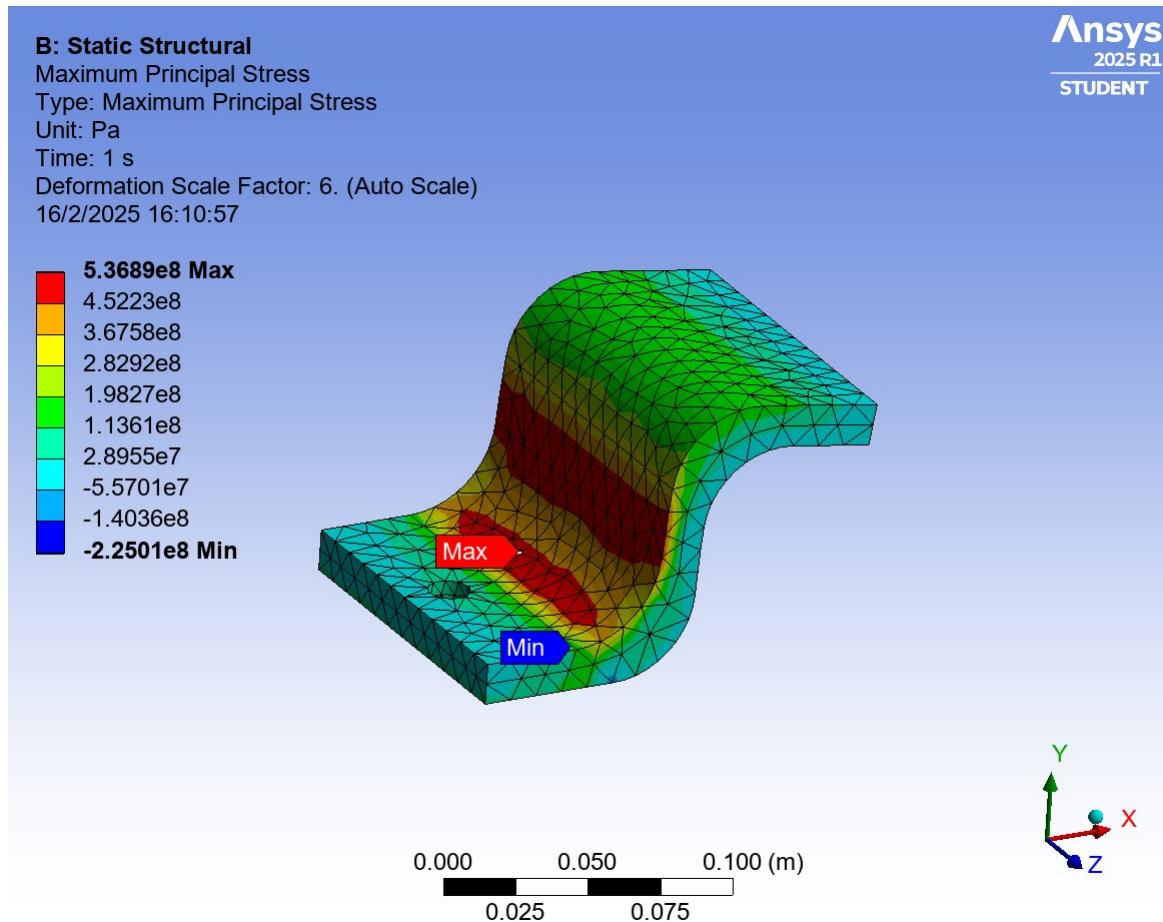
Subject:

Author:

Prepared For:

Date Sunday, February 16, 2025

Comments:



Minimum Principal Stress

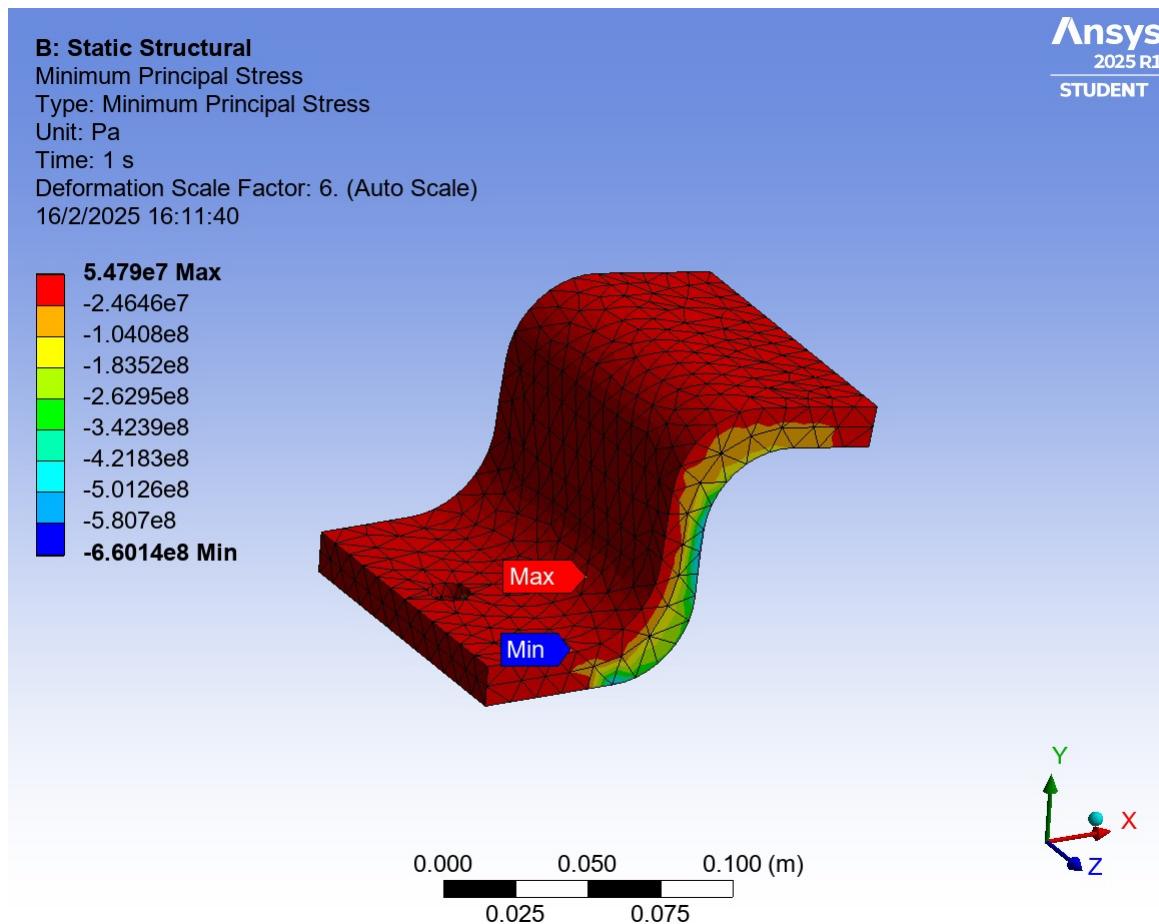
Subject:

Author:

Prepared For:

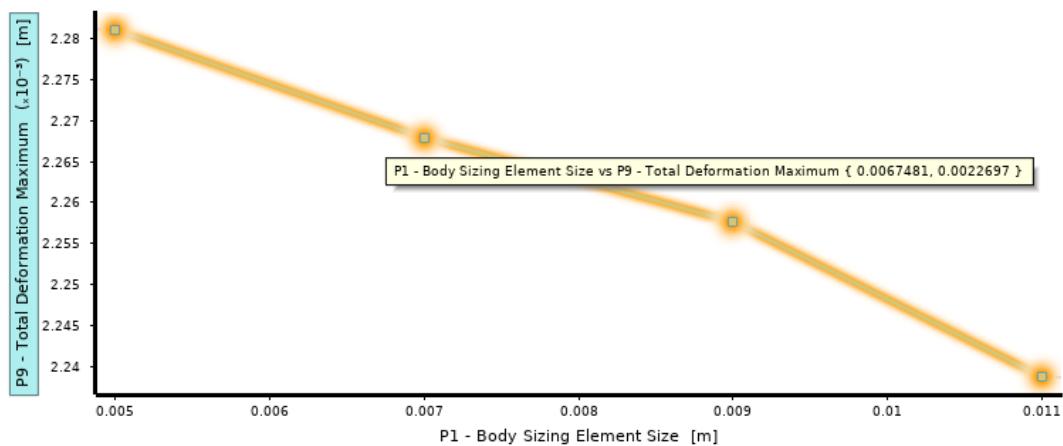
Date Sunday, February 16, 2025

Comments:

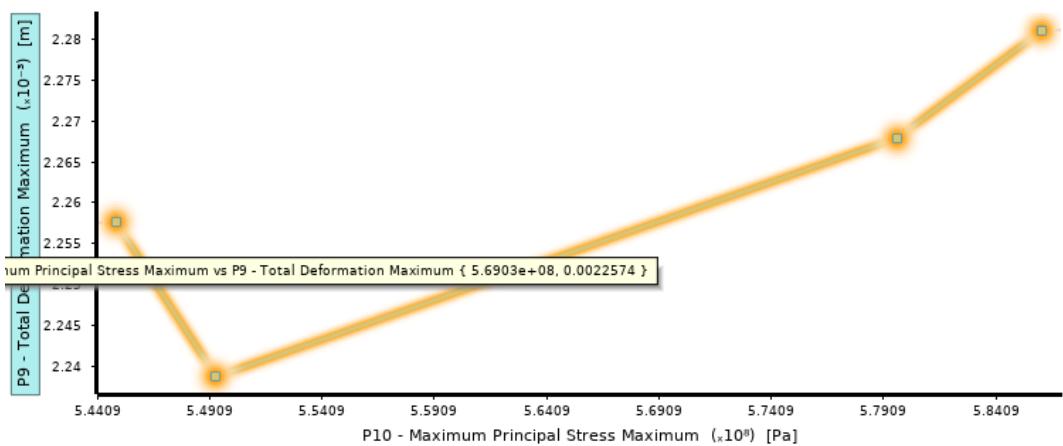


GRÁFICAS SIMETRIA DE PIEZA COMPLETA

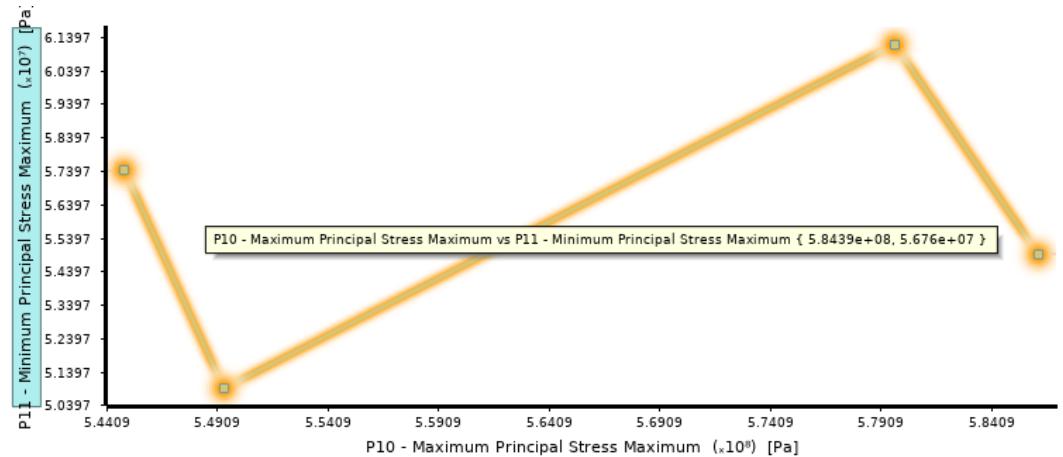
Gráfica Total deformación



Gráfica Esfuerzo máximo



Gráfica Esfuerzo mínimo



Datos calculados de simetría pieza completa.

Fuerza de Reacción

Details of "Force Reaction"	
Results	
Maximum Value Over Time	
X Axis	-1.664e-007 N
Y Axis	54012 N
Z Axis	-2.0841e-007 N
Total	54012 N
Minimum Value Over Time	
X Axis	-1.664e-007 N
Y Axis	54012 N
Z Axis	-2.0841e-007 N
Total	54012 N
Information	

Momento de reacción

Details of "Force Reaction"	
Results	
Maximum Value Over Time	
X Axis	-1.664e-007 N
Y Axis	54012 N
Z Axis	-2.0841e-007 N
Total	54012 N
Minimum Value Over Time	
X Axis	-1.664e-007 N
Y Axis	54012 N
Z Axis	-2.0841e-007 N
Total	54012 N
Information	

Force Reaction

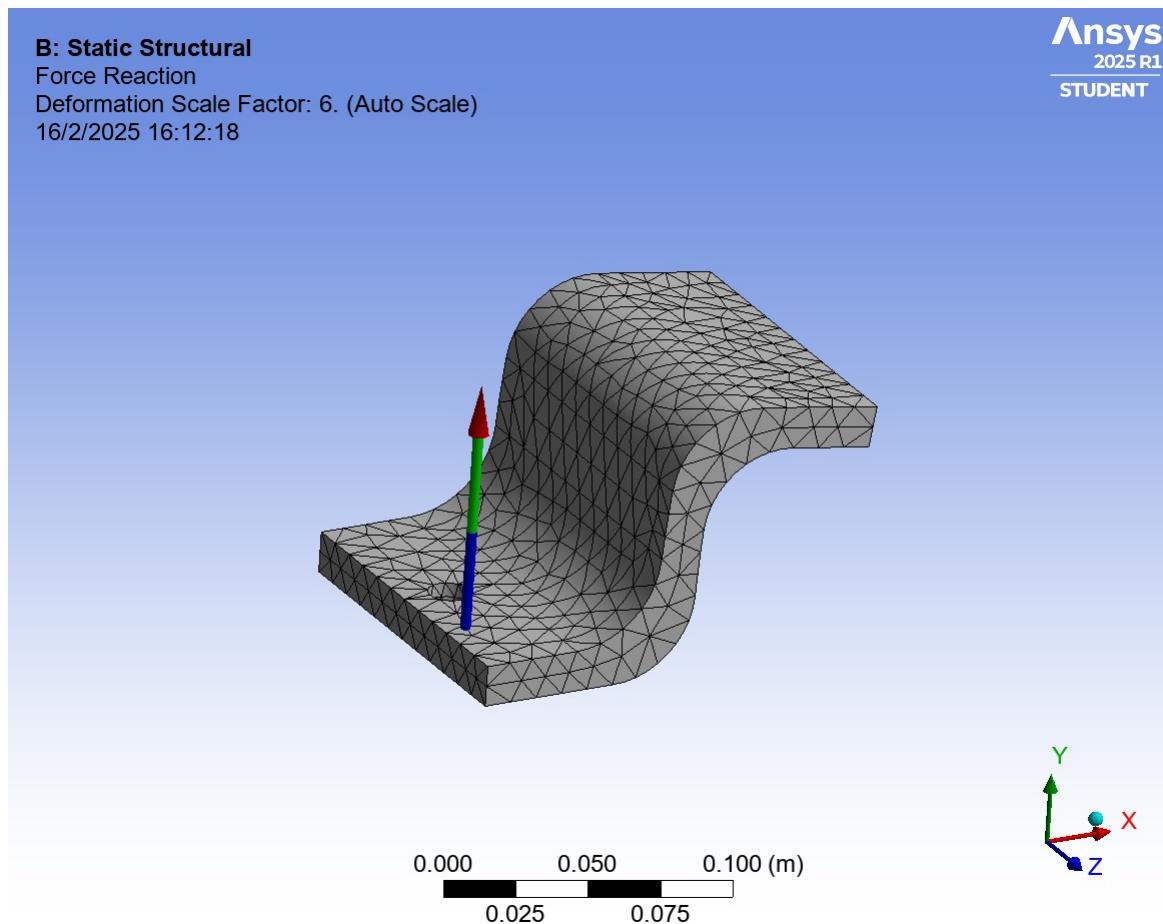
Subject:

Author:

Prepared For:

Date Sunday, February 16, 2025

Comments:



Moment Reaction

Subject:

Author:

Prepared For:

Date Sunday, February 16, 2025

Comments:

