Homework Topology Optimization

Presentado por:

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Profesor:

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Lunes 24 de Febrero

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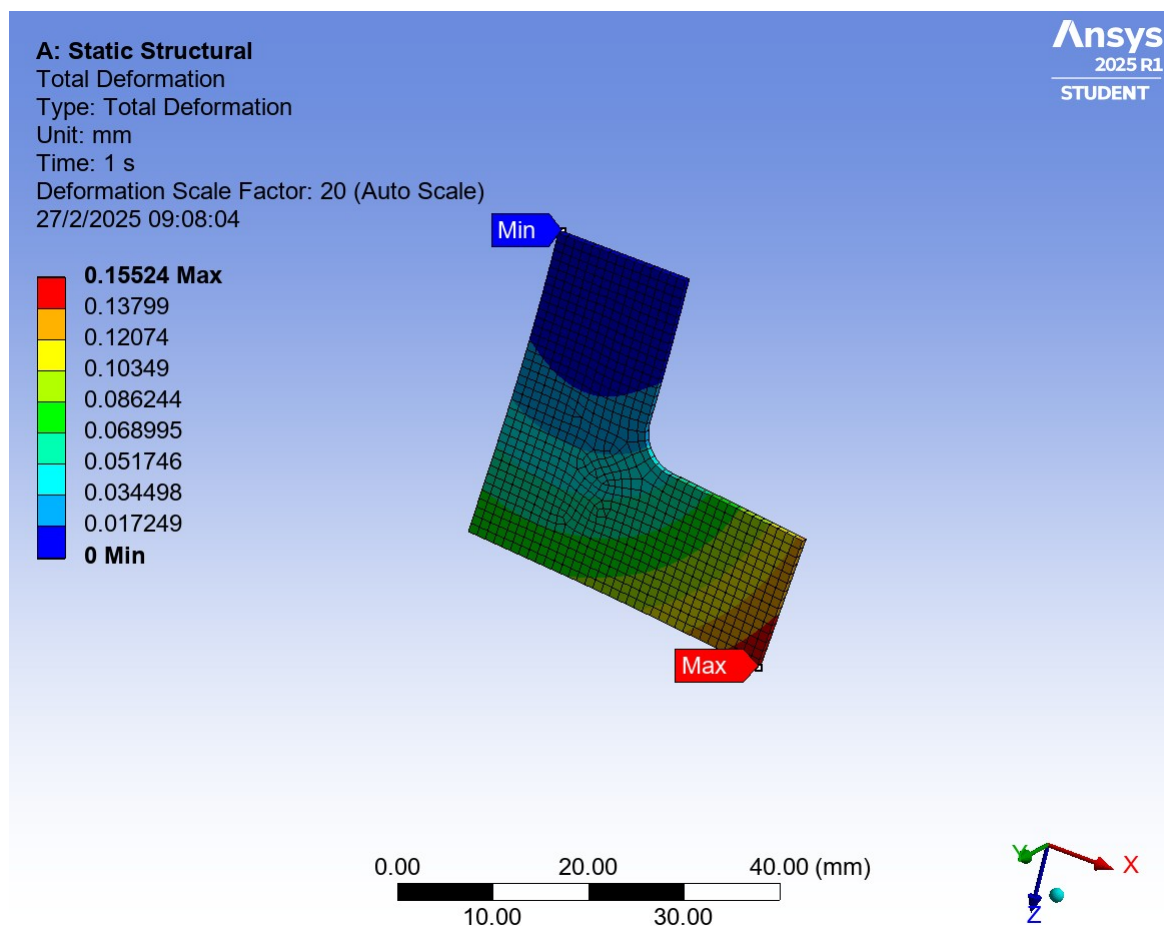**2024**
Aplicación métodos Finitos

Total Deformation

Subject:

Author: Miguel Angel Reales

Prepared For: Optimización
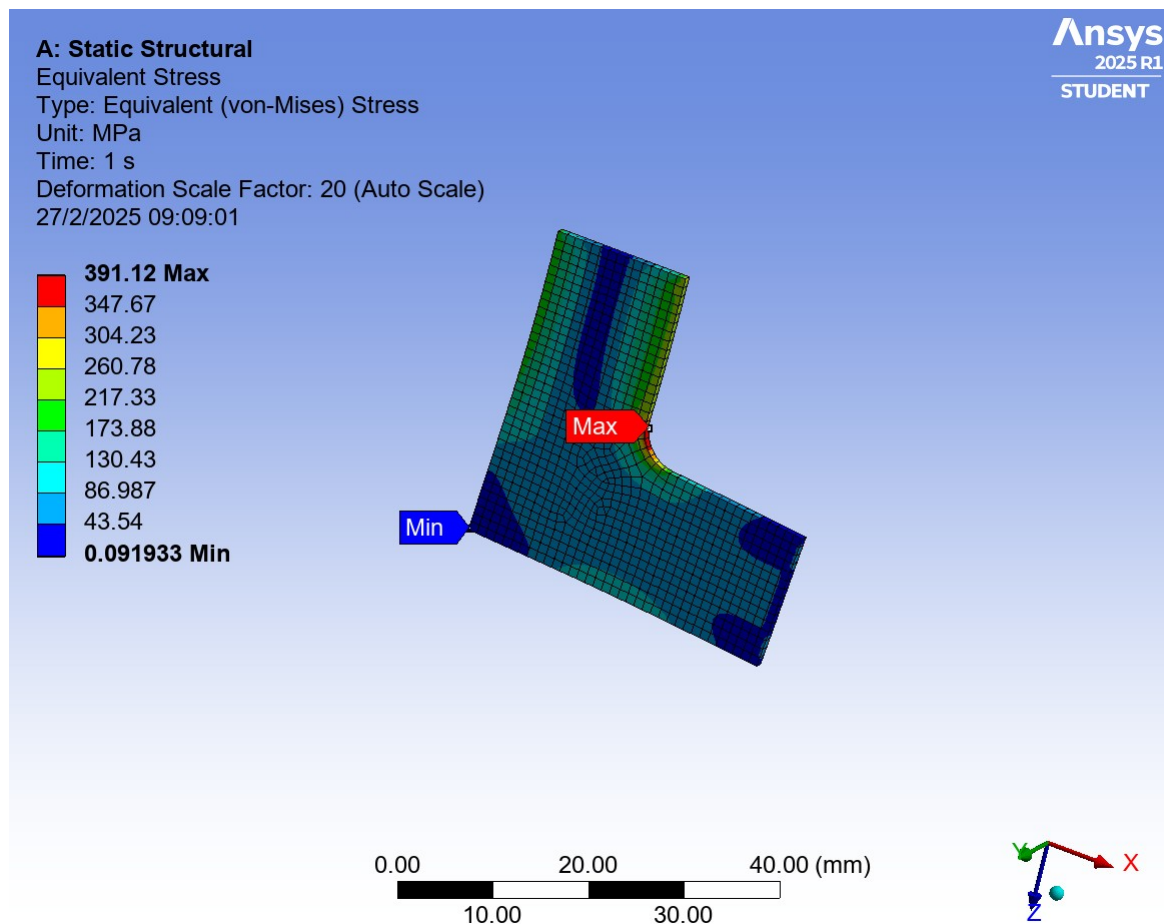
Date Thursday, February 27, 2025

Comments:

Equivalent Stress

Subject:

Author: Miguel Angel Reales

Prepared For: Optimización
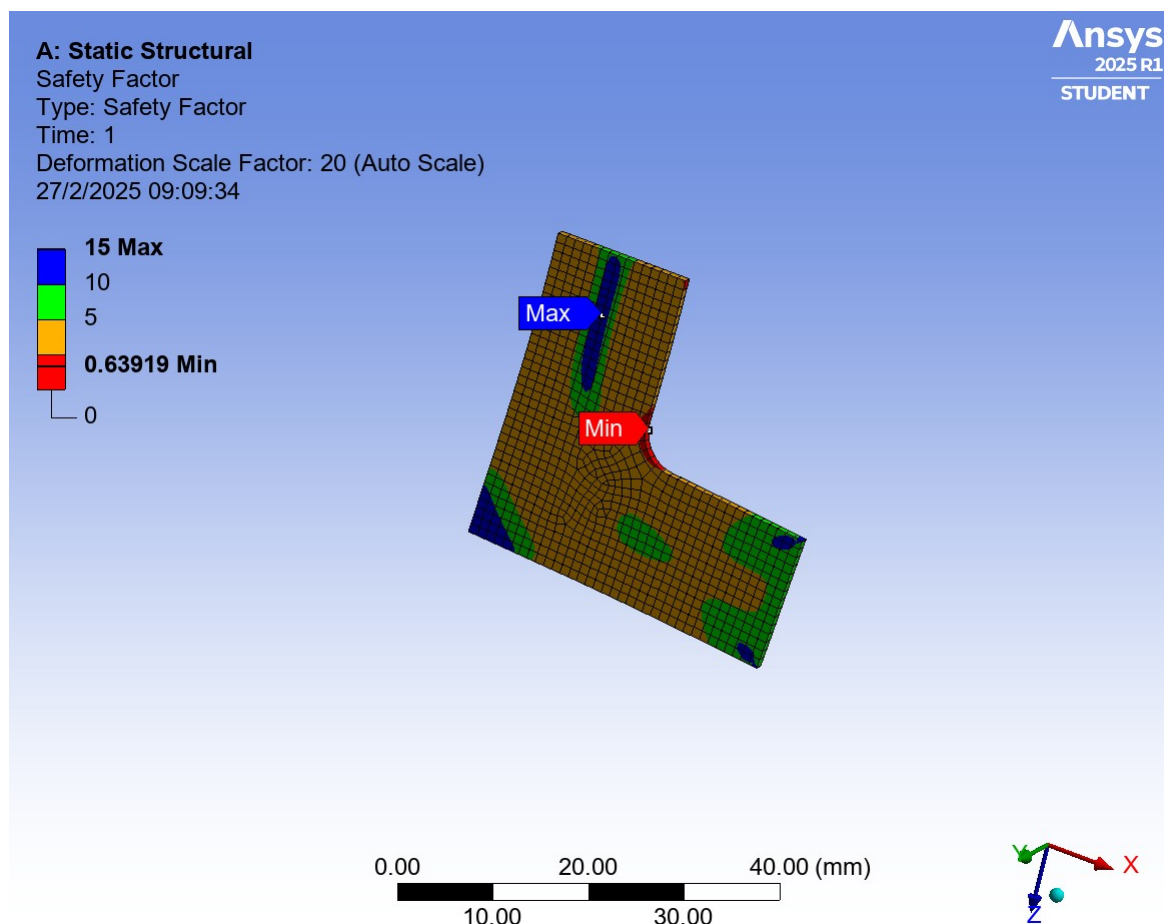
Date Thursday, February 27, 2025

Comments:

A: Static Structural
Equivalent Stress
Type: Equivalent (von-Mises) Stress
Unit: MPa
Time: 1 s
Deformation Scale Factor: 20 (Auto Scale)
27/2/2025 09:09:01

391.12 Max
347.67
304.23
260.78
217.33
173.88
130.43
86.987
43.54
0.091933 Min

0.00   20.00   40.00 (mm)
      10.00   30.00

Safety Factor

Subject:

Author: Miguel Angel Reales

Prepared For: Optimización

Date Thursday, February 27, 2025

Comments:

Topology Density

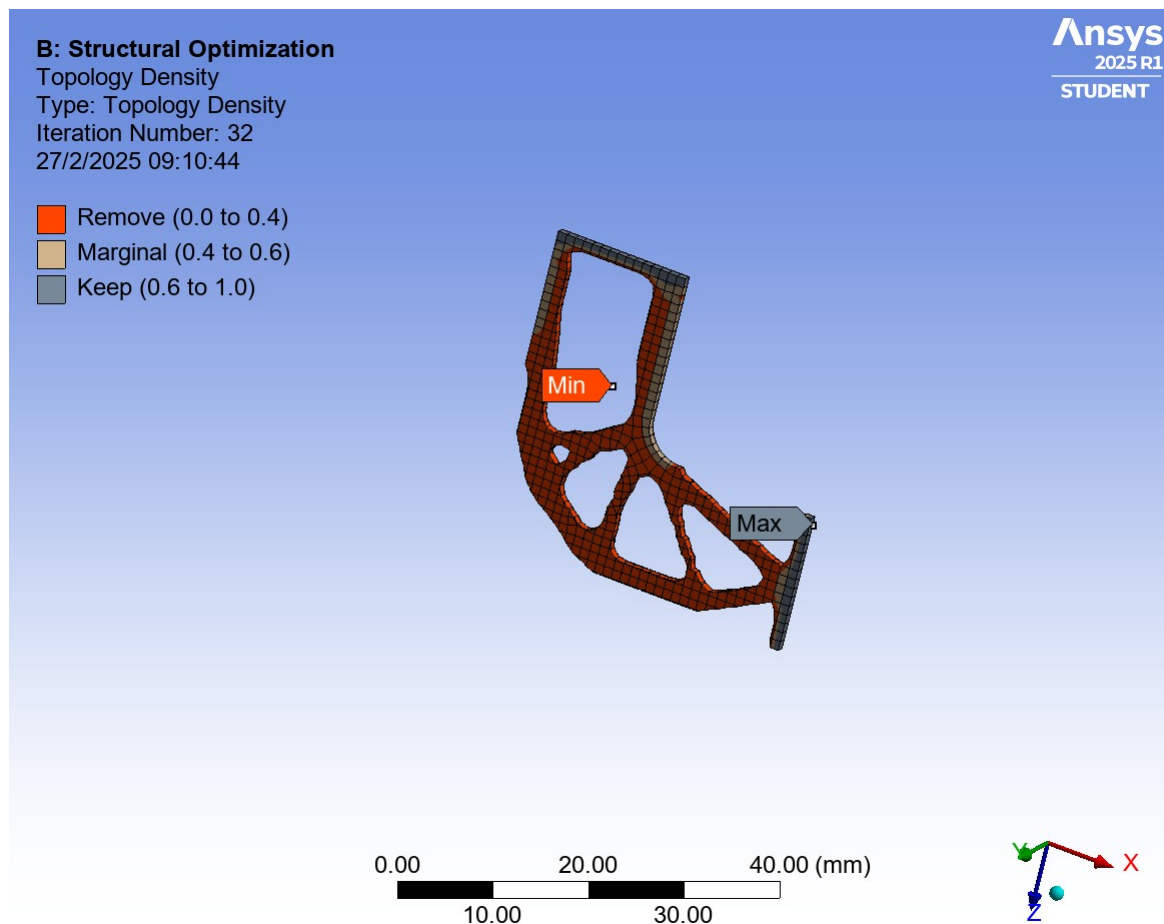**Subject:**

Author: Miguel Angel Reales

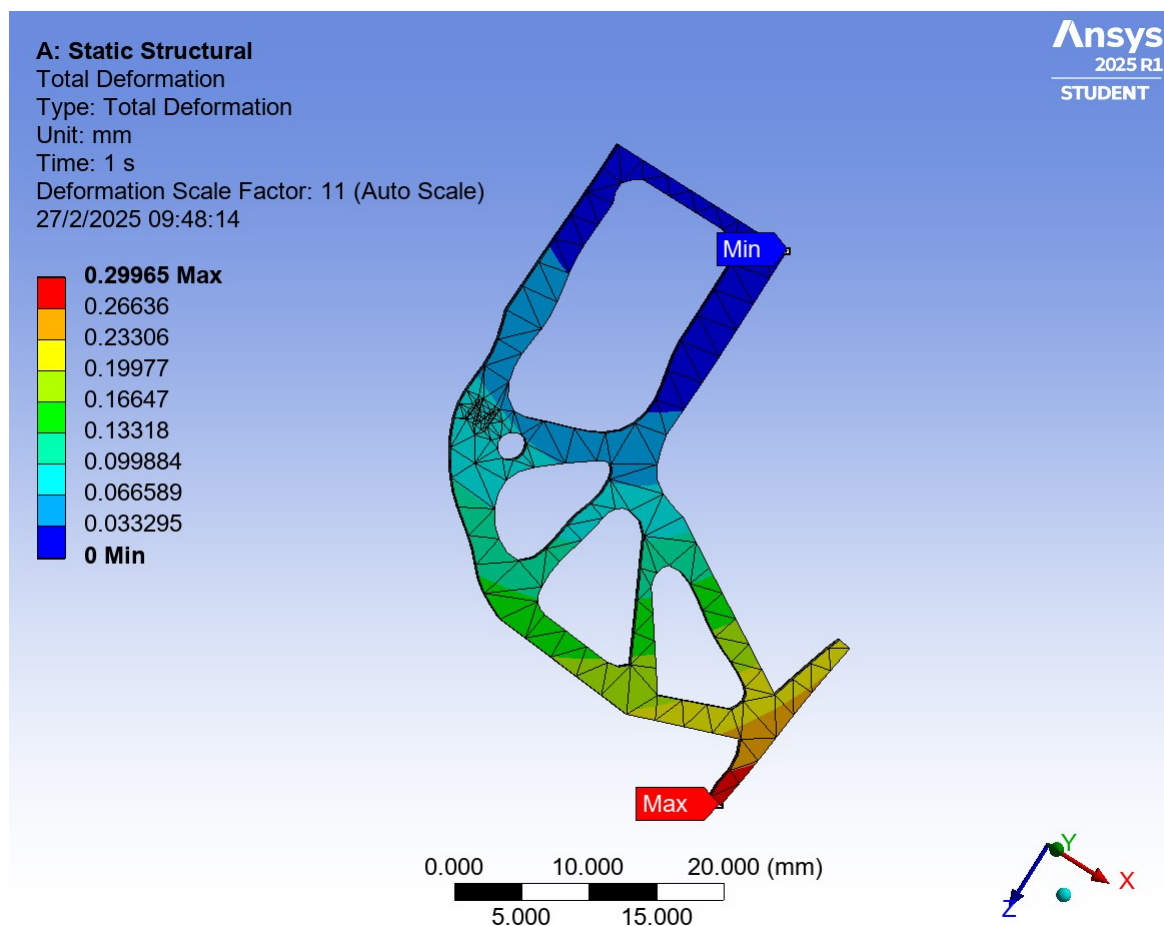**Prepared For:** Optimización

Date Thursday, February 27, 2025

Comments:

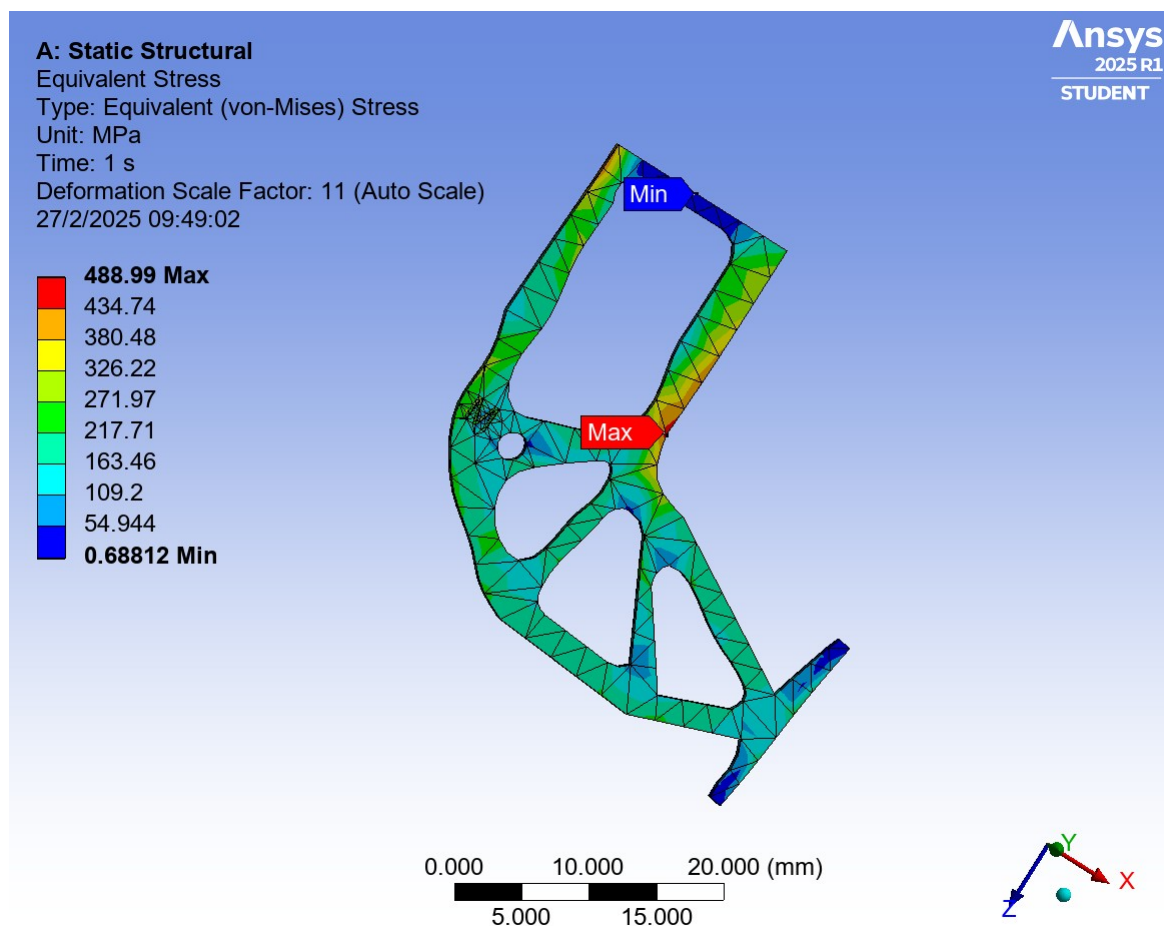# Total Deformation

Subject: Figura enmarcada

Author: Miguel Angel Reales

Prepared For: Optimización

Date   Thursday, February 27, 2025

Comments:

Equivalent Stress

Subject: Figura enmarcada
Author: Miguel Angel Reales
Prepared For: Optimización
Date: Thursday, February 27, 2025
Comments:

Safety Factor

Subject: Figura enmarcada

Author: Miguel Angel Reales

Prepared For: Optimización

Date   Thursday, February 27, 2025

Comments:

Total Deformation

Subject: Figura enmarcada

Author: Miguel Angel Reales

Prepared For: Optimización

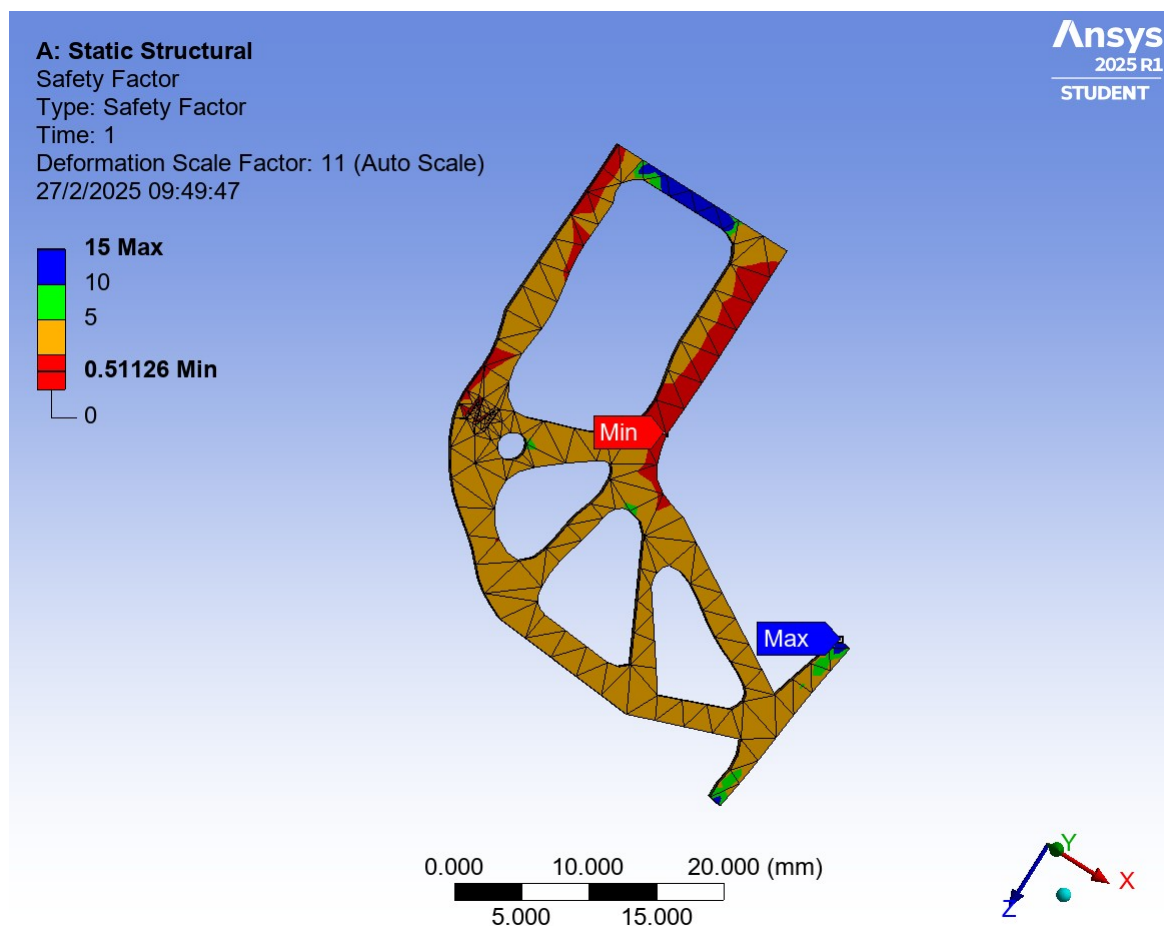**Date**   Thursday, February 27, 2025

Comments:

Equivalent Stress

Subject: Figura enmarcada

Author: Miguel Angel Reales

Prepared For: Optimización
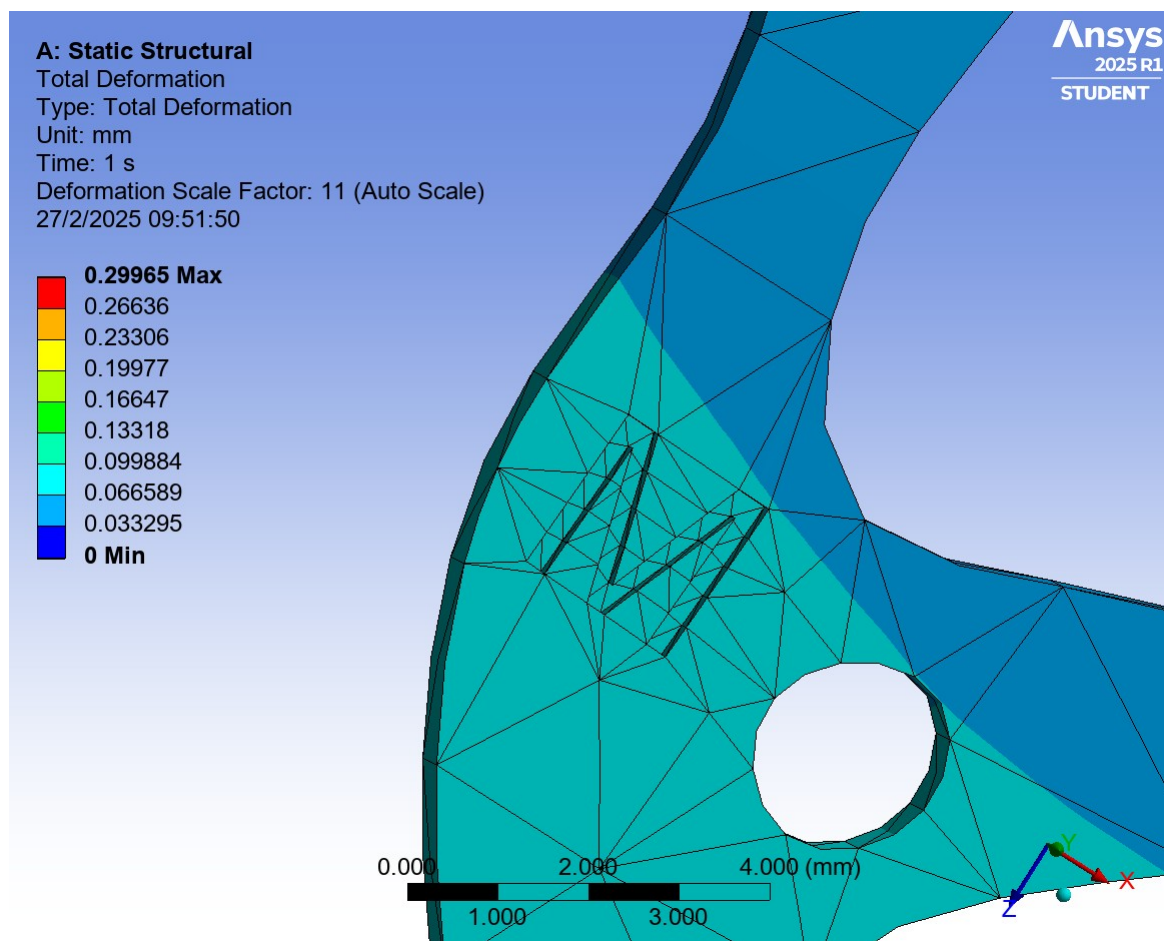
Date Thursday, February 27, 2025

Comments:
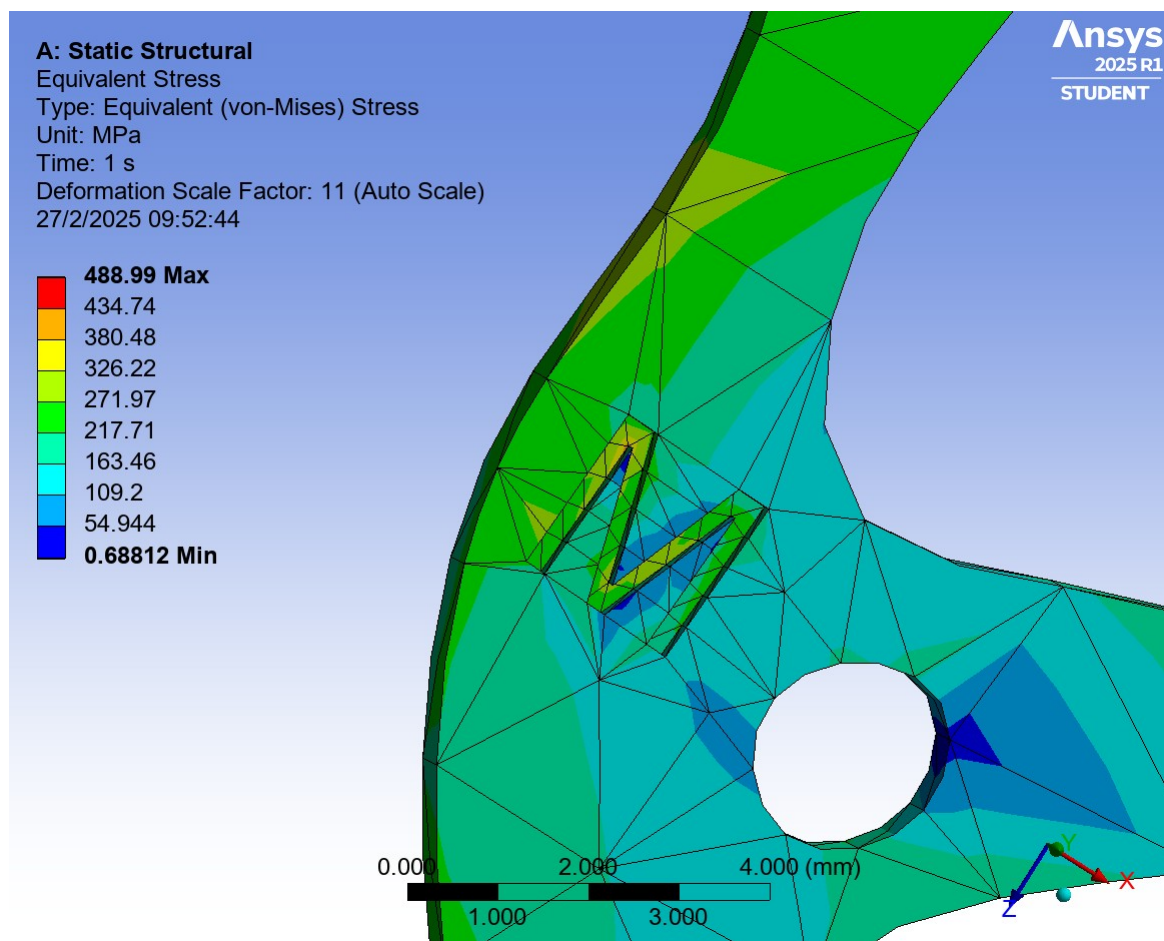

A: Static Structural
Equivalent Stress
Type: Equivalent (von-Mises) Stress
Unit: MPa
Time: 1 s
Deformation Scale Factor: 11 (Auto Scale)
27/2/2025 09:52:44

488.99 Max
434.74
380.48
326.22
271.97
217.71
163.46
109.2
54.944
0.68812 Min

0.000   2.000   4.000 (mm)
      1.000   3.000

Safety Factor

Subject:	Figura enmarcada
Author:	Miguel Angel Reales
Prepared For:	Optimización
Date	Thursday, February 27, 2025
Comments:	