

[illegible]

	0	0	0	-0.0019	0.0024	0.0041	-0.0019
	0	0	0	0	0	0	-0.6198
	0	0	0	0	0	0	-0.4946
	0	0	0	0	0	0	-0.0019
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
0.0007	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0.0011	0	0	0	0	0	0	0
0	-0.0003	0	0.0007	0	0	0	0
0	0	-0.4608	0	0	0	0	0
0	-0.0007	0	0.0011	0	0	0	0
0	0	0	0	-0.0003	0	0.0007	0
0	0	0	0	0	-0.4608	0	0
0	0	0	0	-0.0007	0	0.0011	0
0	0	0	0	0	0	0	-0.0003
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	-0.0007
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
Columns 17 through 24							
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
-0.0003	0.0009	0	0	0	0	0	0
-0.0009	0.0018	0	0	0	0	0	0
0.0000	-0.0045	-0.4800	0	0	0	0	0
1.2558	0	0	-0.0003	0.0009	0	0	0
0	0.0259	0	-0.0009	0.0018	0	0	0
0	0	2.1999	0.0000	-0.0045	-0.4800	0	0
-0.0003	-0.0009	0.0000	1.2558	0	0	-0.0003	0.0009
0.0009	0.0018	-0.0045	0	0.0259	0	-0.0009	0.0018
0	0	-0.4800	0	0	2.1999	0.0000	-0.0045
0	0	0	-0.0003	-0.0009	0.0000	1.2558	0
0	0	0	0.0009	0.0018	-0.0045	0	0.0259
0	0	0	0	0	-0.4800	0	0
0	0	0	0	0	0	-0.0003	-0.0009
0	0	0	0	0	0	0.0009	0.0018
0	0	0	0	0	0	0	0

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

0	0	0	-0.0003	-0.0009	0.0000	1.2555	-0.0009
0	0	0	0.0009	0.0018	0.0045	-0.0009	0.0223

Preprocesamiento completado

--- Paso 3: Procesamiento ---

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RESULTADOS - NUDOS RÍGIDOS

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--- Desplazamientos nodales (d) ---

Formato: [dx, dy, θ] por nodo

0	0	0
0	0	0
-0.0009	-0.0063	-0.0010
-0.0008	-0.0111	-0.0006
0.0000	-0.0130	0.0000
0.0008	-0.0111	0.0006
0.0009	-0.0063	0.0010
0	0	0
0	0	0
0.0004	0.0005	-0.0003
0.0014	-0.0029	-0.0008
0.0007	-0.0089	-0.0007
0.0002	-0.0127	-0.0003
-0.0002	-0.0127	0.0003
-0.0007	-0.0089	0.0007
-0.0014	-0.0029	0.0008
-0.0004	0.0005	0.0003
0.0024	-0.0012	-0.0006
0.0028	-0.0057	-0.0009
0.0017	-0.0107	-0.0006
-0.0000	-0.0126	0.0000
-0.0017	-0.0107	0.0006
-0.0028	-0.0057	0.0009
-0.0024	-0.0012	0.0006

--- Tensiones en los elementos ---

1.0e+07 *

0
-2.8864
0.4369
2.6039
2.6039
0.4369
-2.8864
0
2.2881
0.0158
-3.7706
-2.6467
1.2321
1.8716
-1.3049
1.0419
1.2780
-0.5792
0.2053
1.3411
0.2053
-0.5792
1.2780

1.0419
-1.3049
1.8716
1.2321
-2.6467
-3.7706
0.0158
2.2881
2.2967
1.2266
-2.7156
1.0473
-1.3268
0.2050
-0.5890
-0.5890
0.2050
-1.3268
1.0473
-2.7156
1.2266
2.2967
1.4317
-3.5223
-5.5039
-5.5039
-3.5223
1.4317

Barra 48 tiene la máxima tensión: -55039350.3807 Pa
(Valor absoluto: 55039350.3807 Pa)

--- Barras fallidas ---
✓ Ninguna barra falló.

--- Comprobación de equilibrio ---
Suma de fuerzas en X: 2.735760e-09 N
Suma de fuerzas en Y: -9.720679e-09 N
Suma de momentos: 2.683009e-11 N·m

--- Reacciones en los Apoyos ---
Nodo 1: Rx = -4.482e+05 N, Ry = -2.349e+05 N, M = -1.529e+03 N·m
Nodo 2: Rx = 9.824e+05 N, Ry = 1.235e+06 N, M = 1.145e+04 N·m
Nodo 8: Rx = -9.824e+05 N, Ry = 1.235e+06 N, M = -1.145e+04 N·m
Nodo 9: Rx = 4.482e+05 N, Ry = -2.349e+05 N, M = 1.529e+03 N·m

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Procesamiento completado

--- Paso 4: Postprocesamiento ---

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RESUMEN POSTPROCESAMIENTO

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Escala de deformación: ×500
Tensión mínima: -55.04 MPa
Tensión máxima: 26.04 MPa
Número de barras fallidas: 0

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Postprocesamiento completado
--- Simulación completada correctamente ---
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