

SimOps Thermal Analysis

Job: L_bracket
Date: 2025-12-27 18:09

SIMULATION STATUS: CRITICAL FAILURE

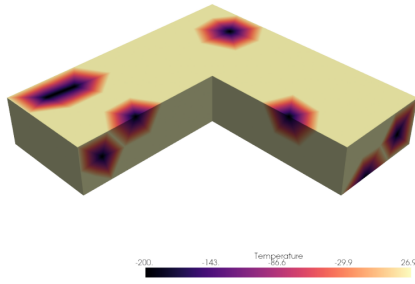
Metric	Value
Strategy Used	HighFi_Layered
Max Temperature	26.9 °C
Min Temperature	-200.1 °C
Range (Delta T)	227.0 °C
Mesh Elements	673
Solve Time	0.46 s

Thermal Distribution Maps

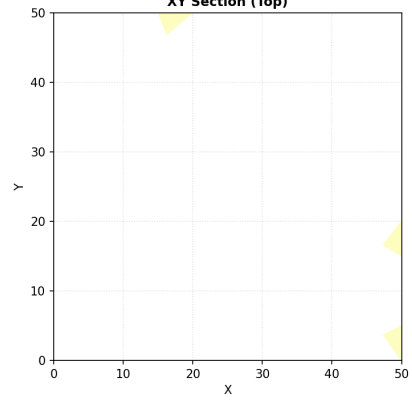
Sim Results - L bracket

Material: Aluminum | Ambient: 20°C | Source: 100°C | $h=25.0\text{ W/m}^2\text{K}$

3D Isometric View (Surface)



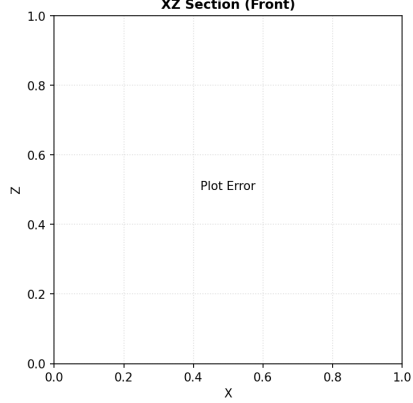
XY Section (Top)



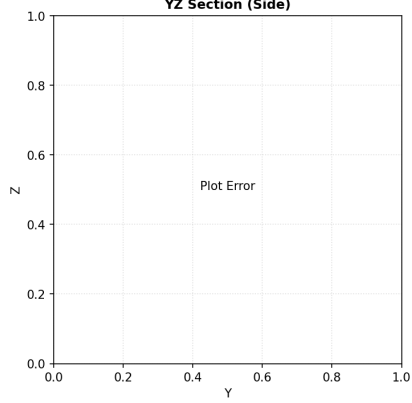
Temperature
26.9
-29.9
-86.6
-143.4
-171.8
-200.1

Temperature (°C)

XZ Section (Front)



YZ Section (Side)



Solver: CalculiX v2.21 (FEM) | Mesh: 673 Elements | Solve: 0.5s | Converged (dT < 0.1°C) | Flux: -0.9W

Transient Response: L_bracket

