

# SimOps Thermal Analysis

**Job:** L\_bracket  
**Date:** 2025-12-27 18:35

**SIMULATION STATUS: CRITICAL FAILURE**

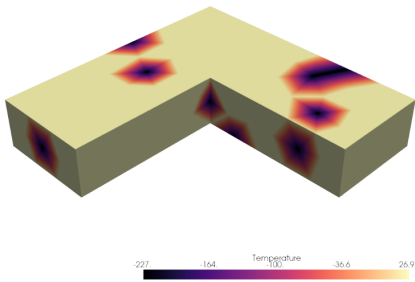
Metric	Value
Strategy Used	MedFi_Robust
Max Temperature	26.9 °C
Min Temperature	-227.0 °C
Range (Delta T)	253.8 °C
Mesh Elements	689
Solve Time	0.43 s

## Thermal Distribution Maps

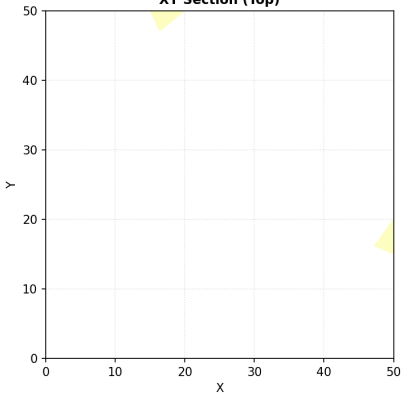
Sim Results - L bracket

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

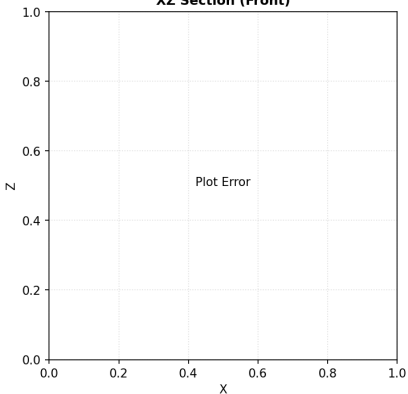
3D Isometric View (Surface)



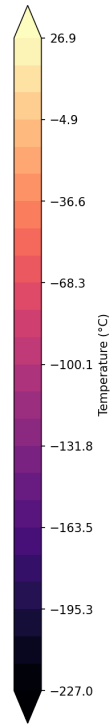
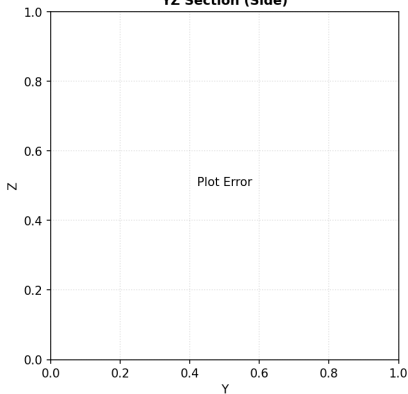
XY Section (Top)



XZ Section (Front)



YZ Section (Side)



Solver: CalculiX v2.21 (FEM) | Mesh: 689 Elements | Solve: 0.4s | Converged (dT < 0.1°C) | Flux: 0.6W

Transient Response: L\_bracket

