

SimOps Thermal Analysis

Job: Cube
Date: 2025-12-28 12:41

SIMULATION STATUS: CRITICAL FAILURE

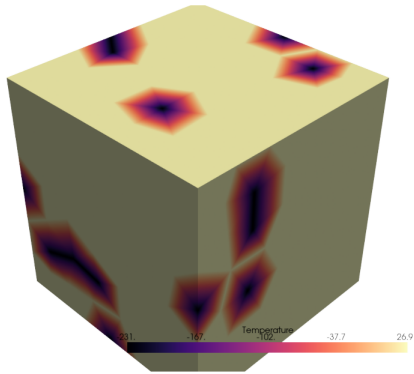
Metric	Value
Strategy Used	MedFi_Robust
Max Temperature	26.9 °C
Min Temperature	-231.3 °C
Range (Delta T)	258.2 °C
Mesh Elements	1,352
Solve Time	0.91 s

Thermal Distribution Maps

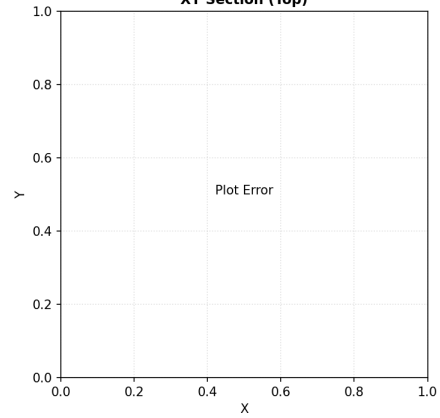
Sim Results - Cube

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

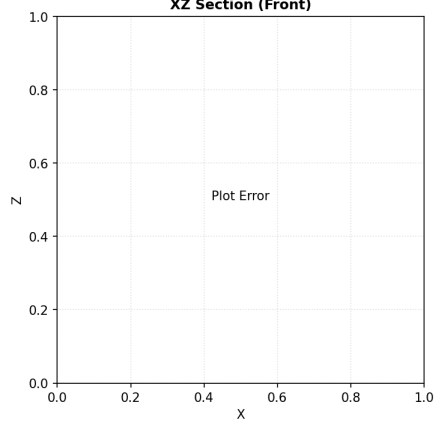
3D Isometric View (Surface)



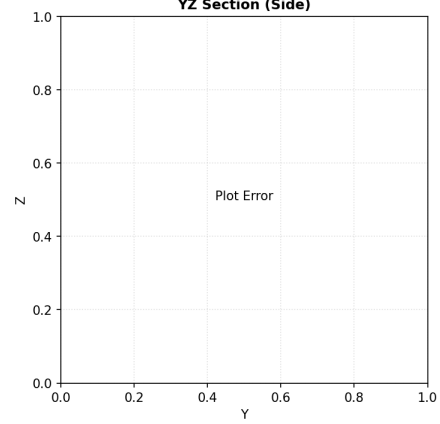
XY Section (Top)



XZ Section (Front)



YZ Section (Side)



Solver: CalculiX v2.21 (FEM) | Mesh: 1,352 Elements | Solve: 0.9s | Transient (Final dT: 0.29972987012986607°C) | Flux: -16.3W

Transient Response: Cube

