

SimOps Thermal Analysis

Job: Cube
Date: 2025-12-28 16:28

SIMULATION STATUS: PASS

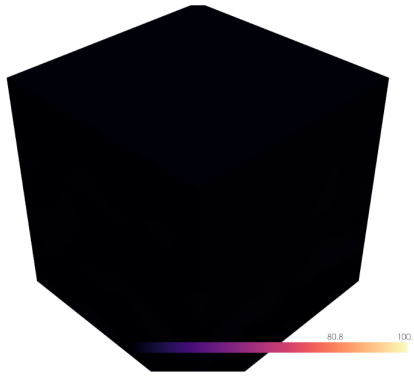
Metric	Value
Strategy Used	MedFi_Robust
Max Temperature	100.0 °C
Min Temperature	23.3 °C
Range (Delta T)	76.7 °C
Mesh Elements	1,352
Solve Time	0.20 s

Thermal Distribution Maps

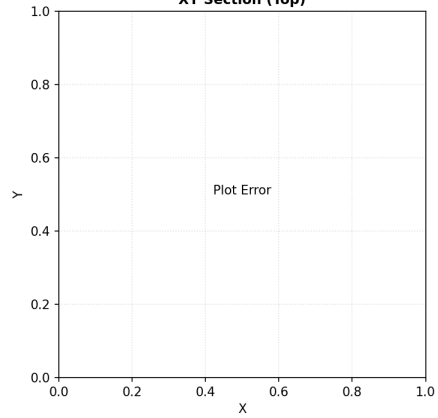
Sim Results - Cube

Material: Aluminum 6061 | Ambient: 25°C | Source: 100°C | $h=10.0 \text{ W/m}^2\text{K}$

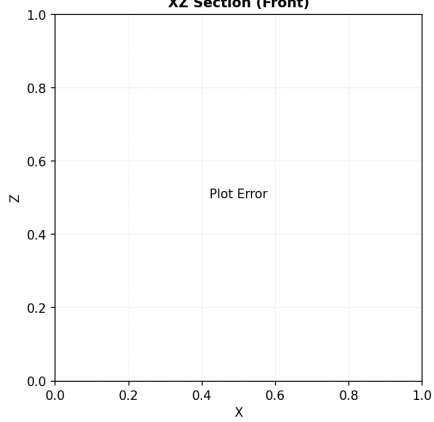
3D Isometric View (Surface)



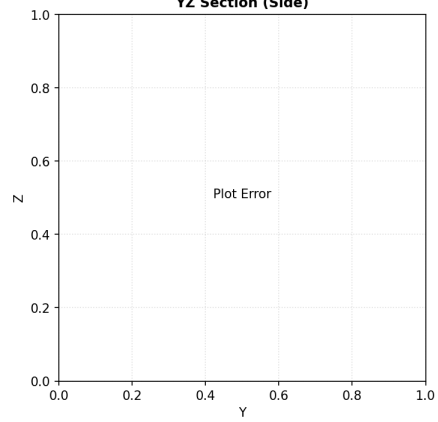
XY Section (Top)



XZ Section (Front)



YZ Section (Side)



Solver: CalculiX v2.21 (FEM) | Mesh: 1,352 Elements | Solve: 0.2s | Converged (dT < 0.1°C) | Flux: 0.0W

Transient Response: Cube

