

# SimOps Thermal Analysis

**Job:** Cube  
**Date:** 2025-12-27 17:49

**SIMULATION STATUS: CRITICAL FAILURE**

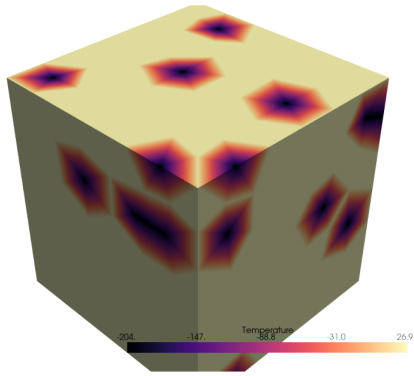
Metric	Value
Strategy Used	HighFi_Layered
Max Temperature	26.9 °C
Min Temperature	-204.5 °C
Range (Delta T)	231.3 °C
Mesh Elements	1,352
Solve Time	0.69 s

## Thermal Distribution Maps

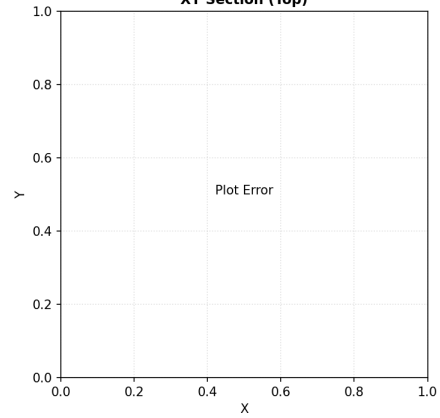
## Sim Results - Cube

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

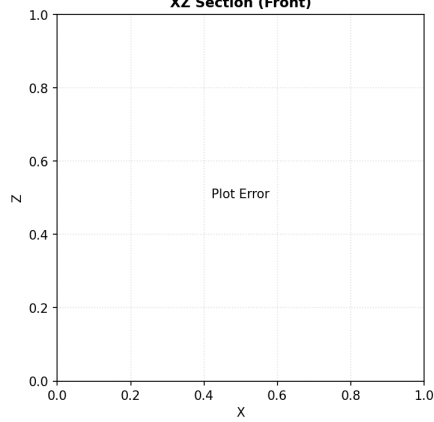
3D Isometric View (Surface)



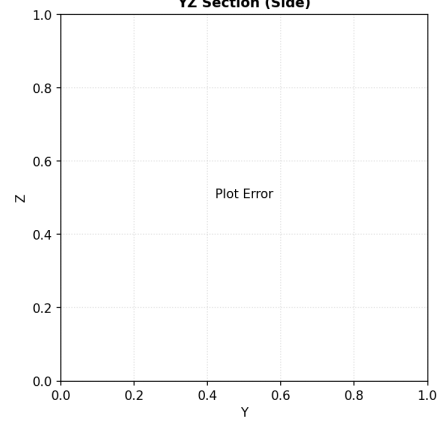
XY Section (Top)



XZ Section (Front)



YZ Section (Side)



Solver: CalculiX v2.21 (FEM) | Mesh: 1,352 Elements | Solve: 0.7s | Transient (Final  $\Delta t$ : 0.2997220779221692°C) | Flux: 3.9W

## Transient Response: Cube

