

# SimOps Thermal Analysis

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

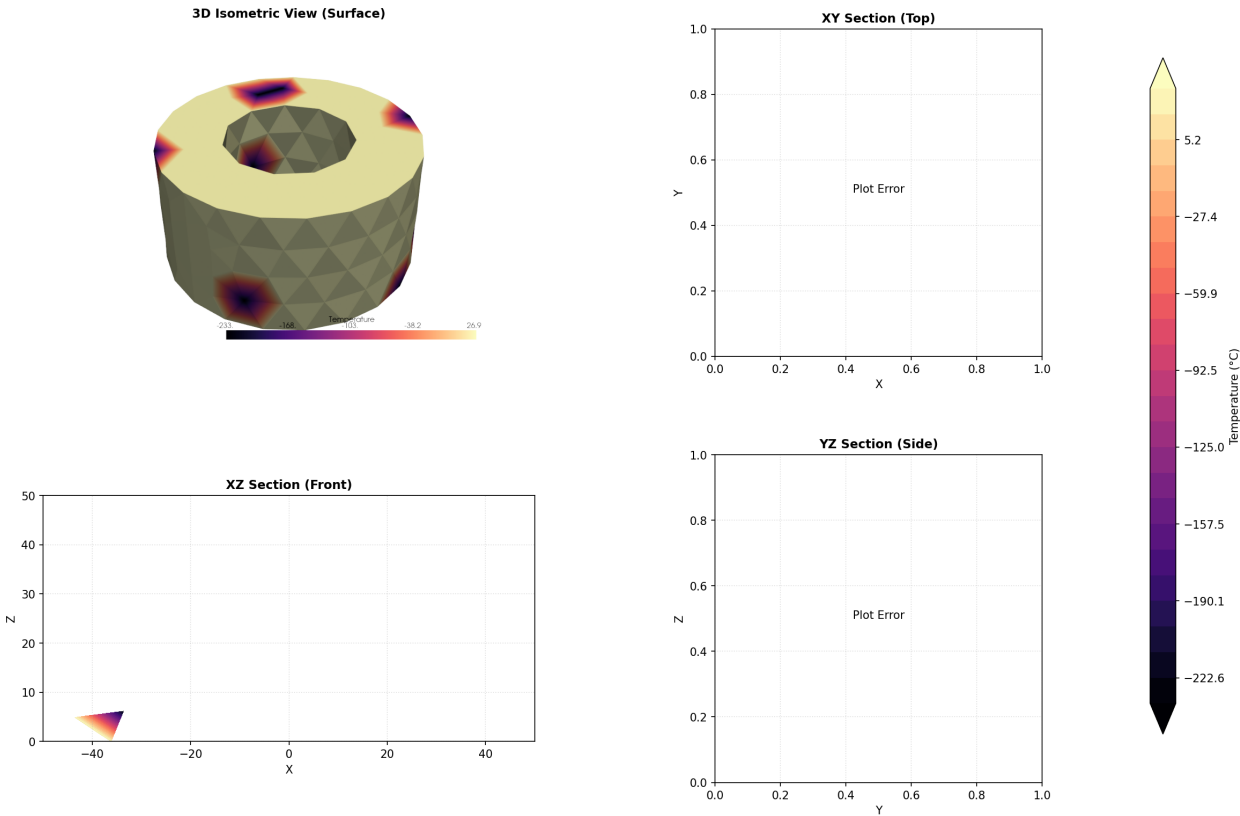
SIMULATION STATUS: CRITICAL FAILURE

Metric	Value
Strategy Used	MedFi_Robust
Max Temperature	26.9 °C
Min Temperature	-233.5 °C
Range (Delta T)	260.3 °C
Mesh Elements	949
Solve Time	1.04 s

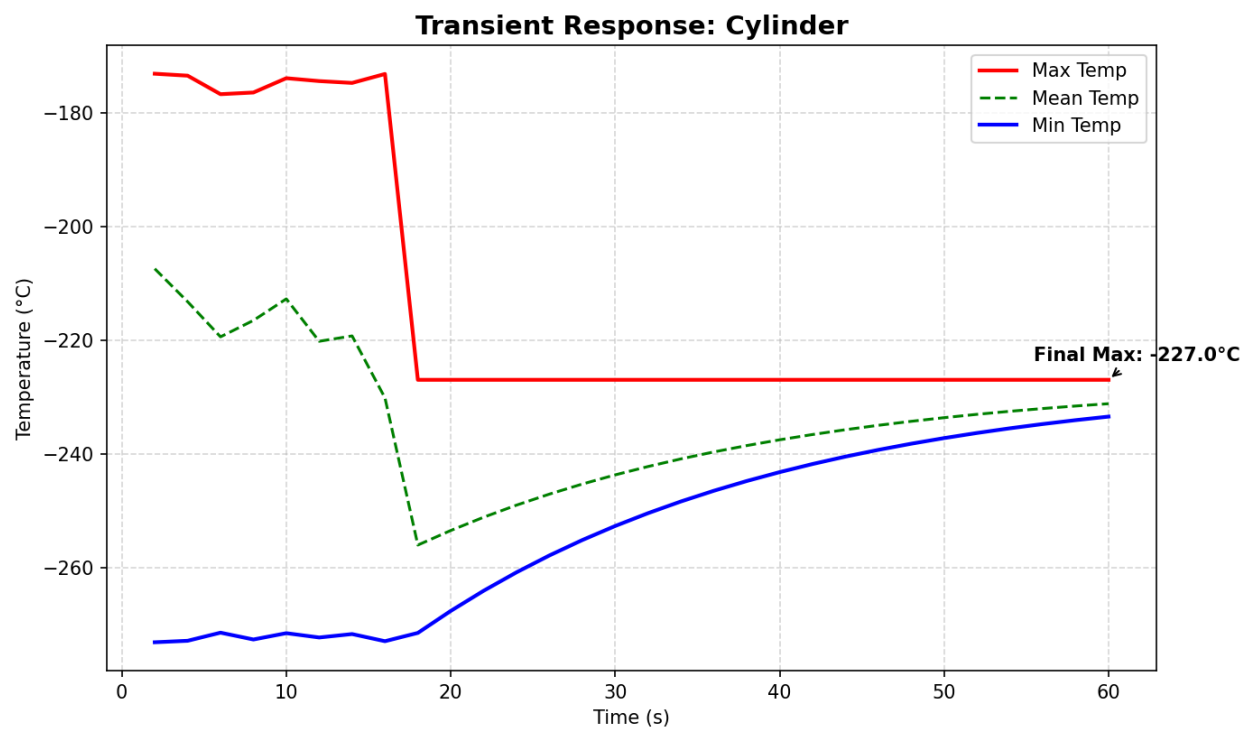
## Thermal Distribution Maps

### Sim Results - Cylinder

Material: Aluminum | Ambient: 20°C | Source: 100°C | h=25.0 W/m²K



Solver: CalculiX v2.21 (FEM) | Mesh: 949 Elements | Solve: 1.0s | Transient (Final dT: 0.40499300699296015°C) | Flux: -6.4W



Generated by SimOps Autonomous Pipeline  
Confidential - 2025