

# SimOps Thermal Analysis

Job: Cylinder  
Date: 2025-12-27 17:42

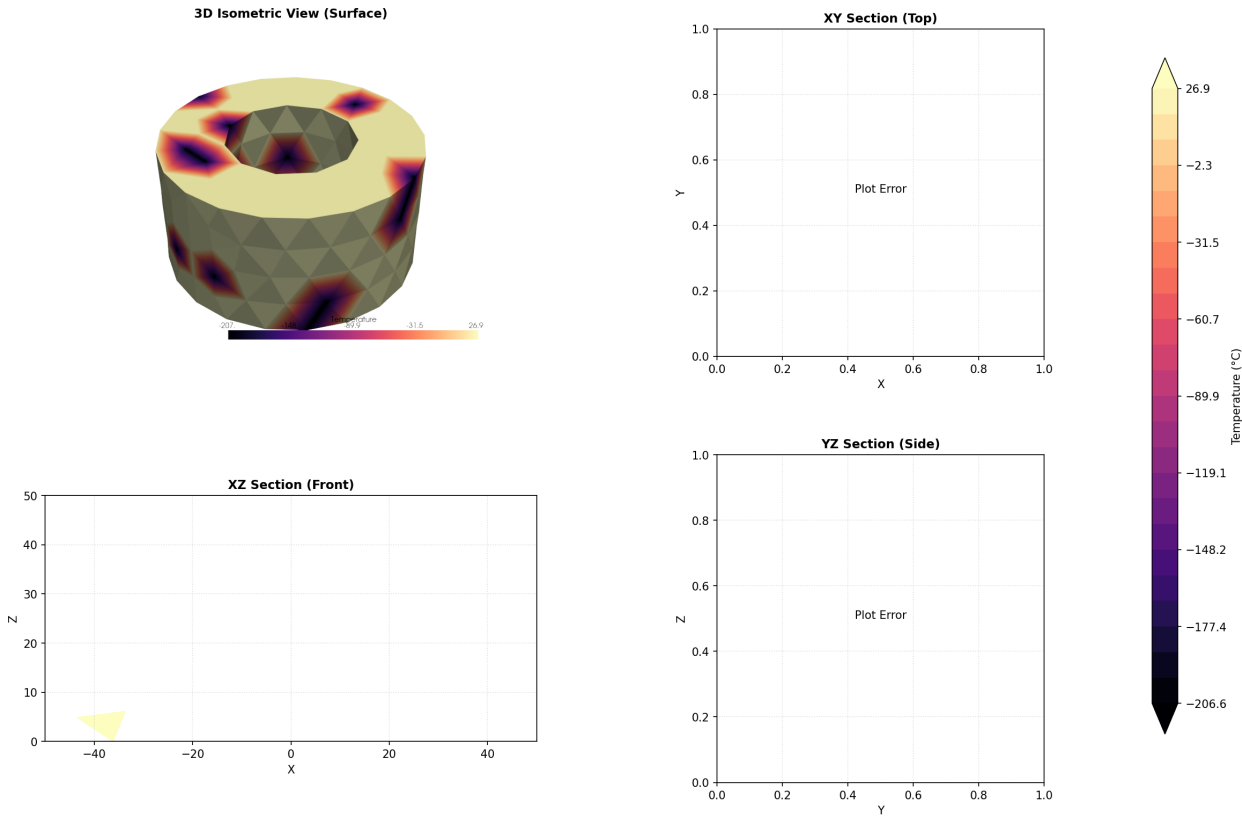
SIMULATION STATUS: CRITICAL FAILURE

Metric	Value
Strategy Used	HighFi_Layered
Max Temperature	26.9 °C
Min Temperature	-206.6 °C
Range (Delta T)	233.5 °C
Mesh Elements	949
Solve Time	0.61 s

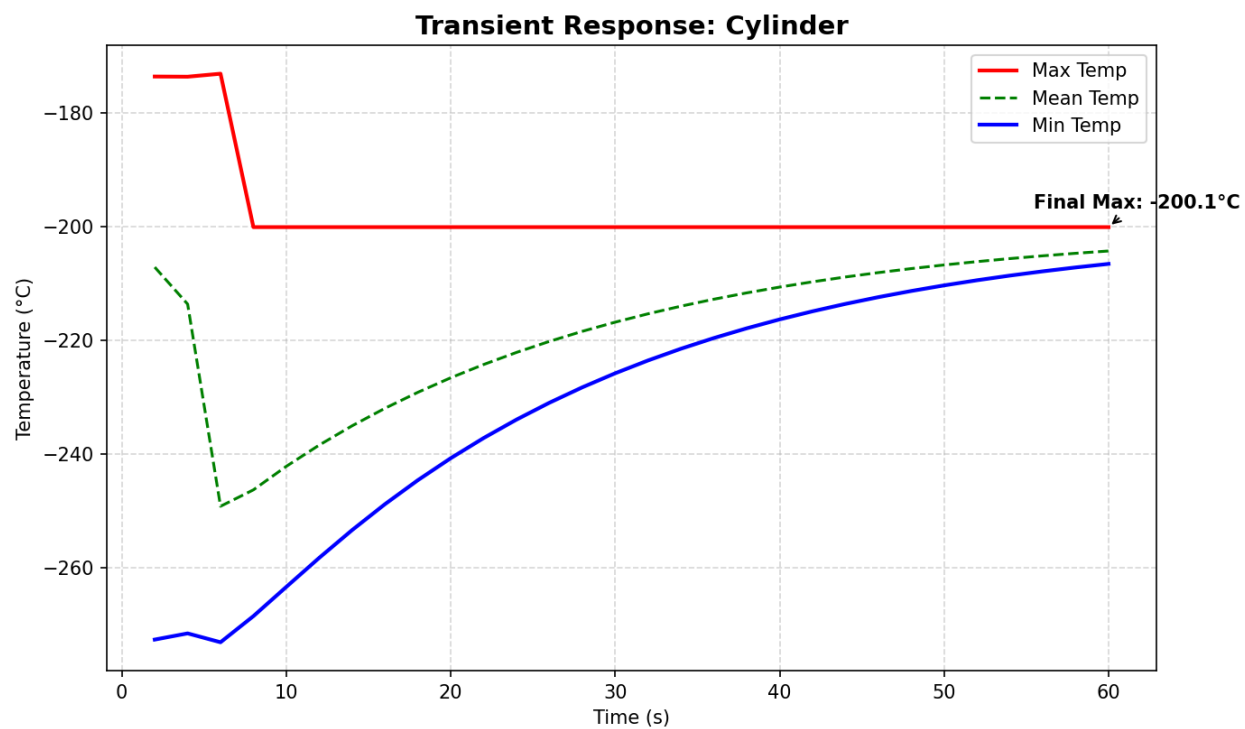
## Thermal Distribution Maps

### 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: 0.6s | Transient (Final dT: 0.40499300699296725°C) | Flux: -5.5W



Generated by SimOps Autonomous Pipeline  
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