

# SimOps Thermal Analysis

**Job:** Report\_Test  
**Date:** 2025-12-18 22:59

**SIMULATION STATUS: PASS**

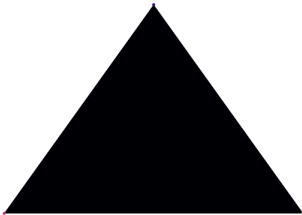
Metric	Value
Strategy Used	Unit_Test
Max Temperature	126.9 K
Min Temperature	26.9 K
Range (Delta T)	100.0 K
Mesh Elements	1
Solve Time	0.05 s
Total Heat Flux	N/A
Convergence	N/A Steps

## Thermal Distribution Maps

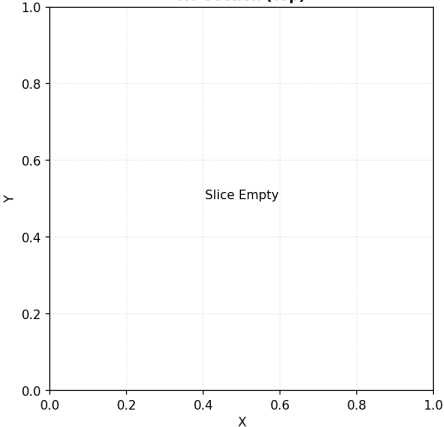
Sim Results - Report Test

Material: TestMat | Ambient: 27°C | Source: 127°C |  $h=25.0\text{ W/m}^2\text{K}$

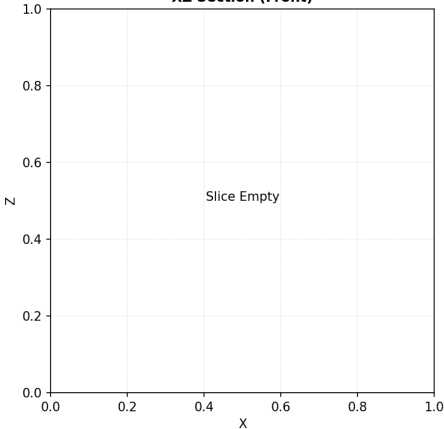
3D Isometric View (Surface)



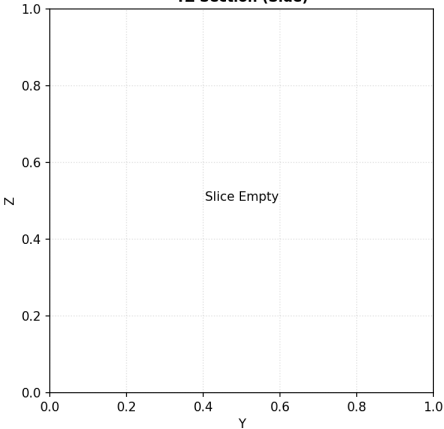
XY Section (Top)



XZ Section (Front)



YZ Section (Side)



Solver: CalculiX v2.21 (FEM) | Mesh: 1 Elements | Solve: 0.1s | Converged ( $dT < 0.0001^\circ\text{C}$ ) | Flux: 50.0W