

SimOps Thermal Report

Component: Airfoil_mesh

PASSED

Date: 2026-01-13 10:33

Thermal Metrics

Strategy:	Calculix
Ambient Temperature:	25.0 °C
Heat Source:	85.0 °C
Max Temperature:	358.15 K (85.00 °C)
Min Temperature:	298.15 K (25.00 °C)
Temperature Range (ΔT):	60.00 K
Elements:	210,010
Nodes:	49,830

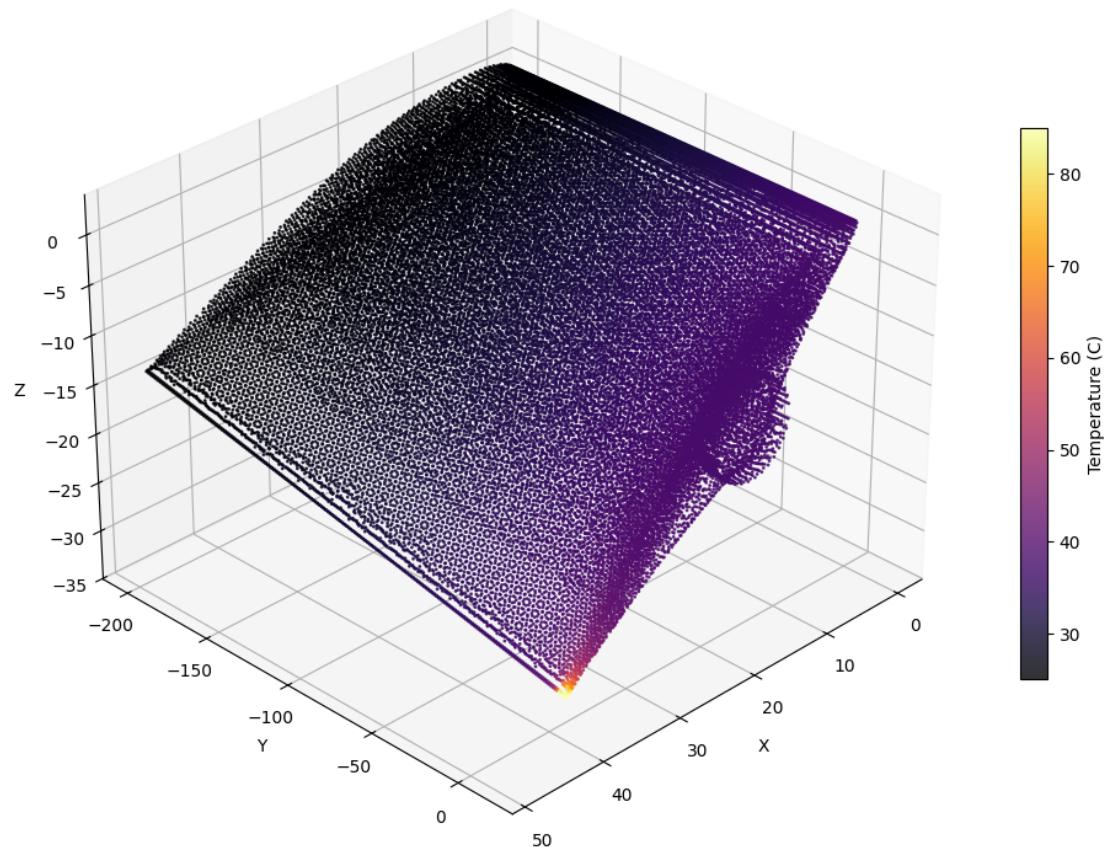
Validation

Range: PASS (298K-358K)
Gradient: PASS (dT=60K)

Material: Al6061

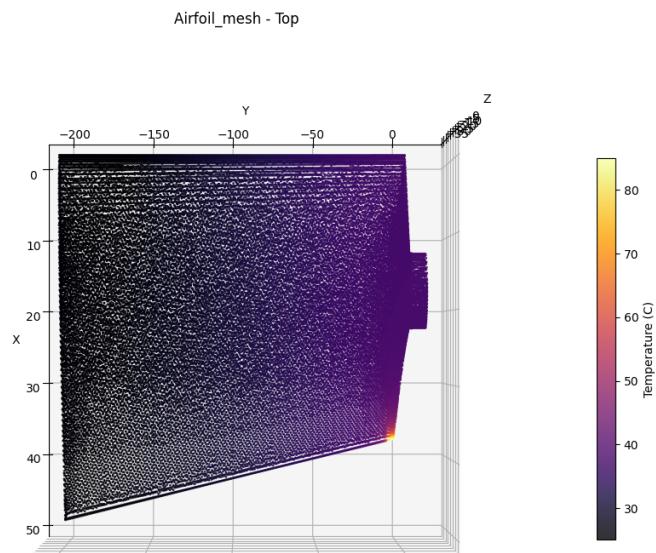
k: 167 W/mK
Cp: 896 J/kgK
Rho: 2700 kg/m3

Airfoil_mesh - Iso



Transient Response & Additional Views

Airfoil_mesh_top



Airfoil_mesh_side

