

# ANSYS AIM Thermal Analysis of an Electrical Wire - Verification & Validation

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## Verification & Validation

From the [Ansys Mechanical APDL Verification Manual problem VM119](#) the calculated centerline temperature was 420.0 F (215.6 C). The percent error between these two calculations is 0.102%. In conclusion, the solvers calculation for the centerline temperature is accurate.

Simulation Value	Verification Value	% Difference
215.38	215.6	0.102%

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