

ANSYS AIM Thermal Analysis of an Electrical Wire - Geometry

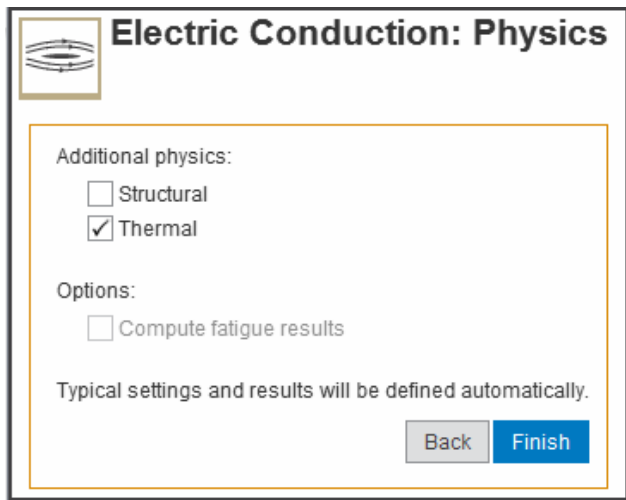
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Problem Specification

1. Pre-Analysis & Start-Up
2. Geometry
3. Physics Setup
4. Numerical Solution/Results
5. Verification & Validation

Geometry

AIM will prompt to either **Define new geometry**, **Import geometry file**, or **Connect to active CAD session**. Select **Import new geometry** and downloaded the file [here](#). Since we are interested in the centerline temperature of the wire, a one quarter symmetric model will be used to allow us to easily post-process the centerline temperature. AIM will prompt again asking you to select your **Additional Physics** and **Options**. Since we are looking at temperature of the centerline and heat dissipation, thermal results will also need to be calculated. Under **Additional Physics**, select **Thermal** and then click **Finish**.



[Go to Step 3: Physics Setup](#)

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