ANSYS AIM Thermal Analysis of an Electrical Wire - Geometry
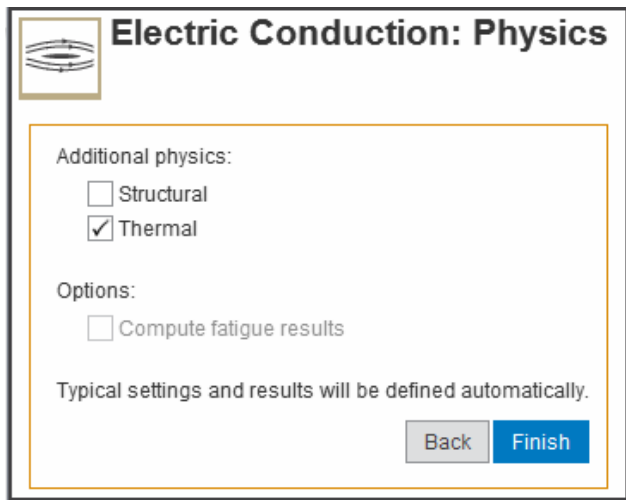
Author(s): Joshua Wallace & Steve Scampoli, ANSYS Inc.

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

Go to all ANSYS AIM Learning Modules