

# ANSYS AIM 3D Static Force Computation - Geometry

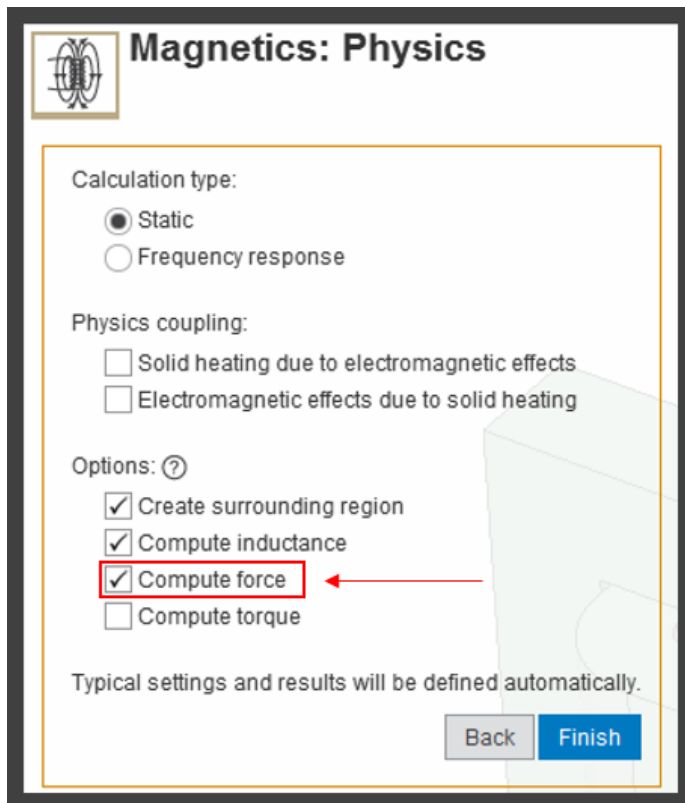
Author(s): Joshua Wallace & Steve Scampoli, ANSYS Inc.

Problem Specification

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

## Geometry

ANSYS AIM will then prompt for a geometry file. [Download the geometry here](#) and click **Next**. Select the coil geometry file and press **Open**. In the options section, check **Compute force** and then press **Finish**.



**Magnetics: Physics**

Calculation type:

- ☒ Static
- ☐ Frequency response

Physics coupling:

- ☐ Solid heating due to electromagnetic effects
- ☐ Electromagnetic effects due to solid heating

Options: ?

- ☒ Create surrounding region
- ☒ Compute inductance
- ☒ Compute force
- ☐ Compute torque

Typical settings and results will be defined automatically.

Back Finish

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

[Go to all ANSYS AIM Learning Modules](#)