

ANSYS AIM Eddy Current / Magnetic Frequency Response - Geometry

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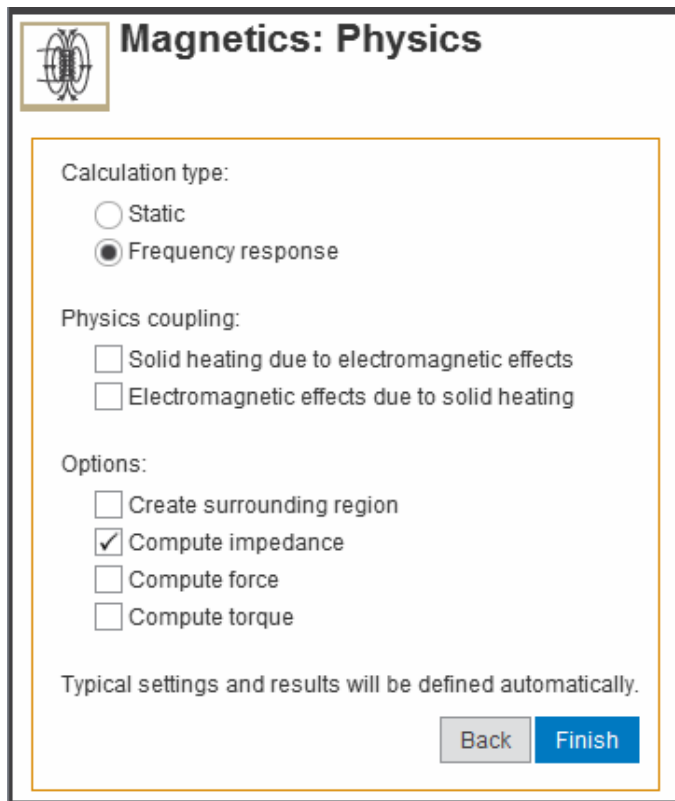
[4. Numerical Solution/Results](#)

Geometry

Now the geometry can be imported into ANSYS AIM. [Downloaded the geometry file of the coil here](#) and click **Next**.

ANSYS AIM will then prompt for a geometry file. Select the coil geometry file and press **Open**.

Change the **Calculation Type** in the **Magnetics: Physics** template to **Frequency response**. Since the geometry already has a surrounding region, turn off **Create Surrounding Region** and click **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 impedance

☐ Compute force

☐ Compute torque

Typical settings and results will be defined automatically.

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