

ANSYS AIM - 3D Static Force Computation

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Problem Specification

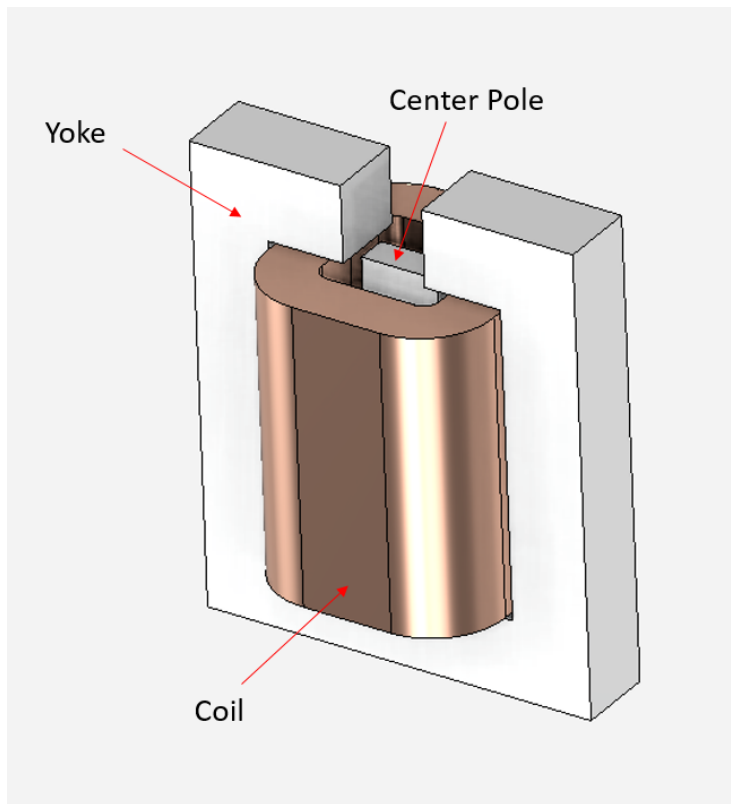
1. Pre-Analysis & Start-Up
2. Geometry
3. Physics Setup
4. Solution/Results

3D Static Force Computation

Created using ANSYS AIM 18.2

Problem Specification

The yoke and center pole shown directly below are made of Steel 1010. The stranded copper coil is excited by a DC current. The coil ampere-turns are 1000, 3000, 4500 and 5000 which is sufficient to saturate the steel. Calculate the magnetic field and electromagnetic force.



[Go to Step 1: Pre-Analysis & Start-Up](#)

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