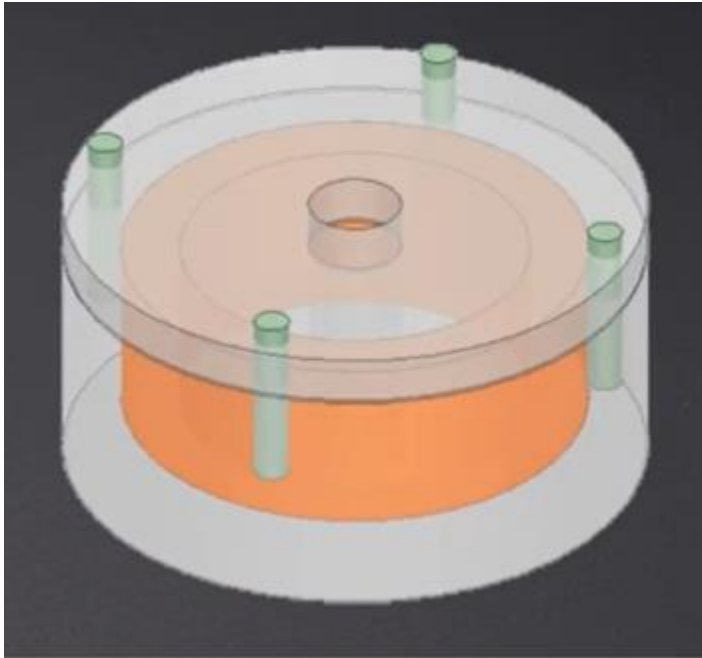


## Project 13: Eddy Current Calculation of an Electromagnetic Brake

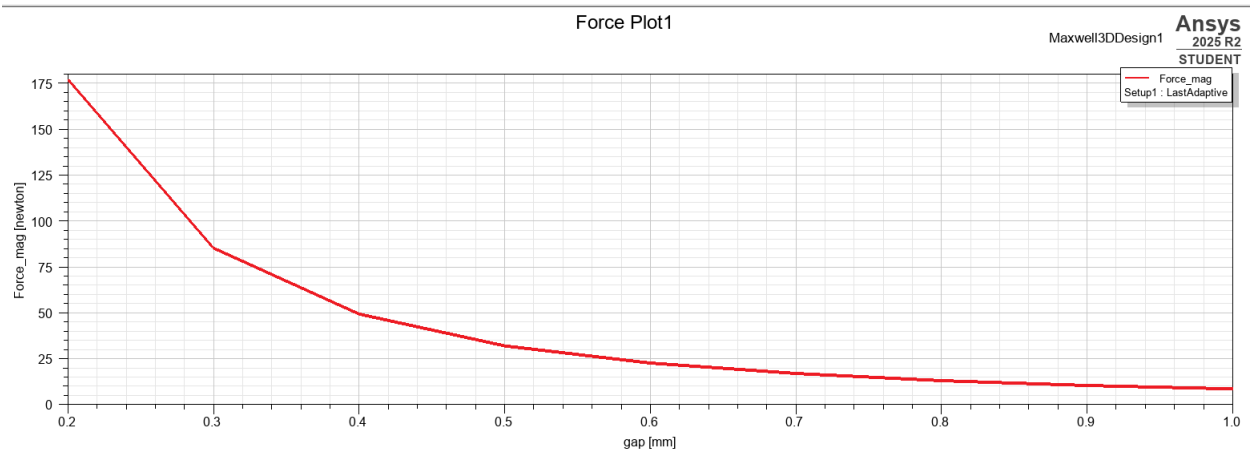
Problem Statement: Calculate eddy current in an electromagnetic brake.

Geometry:

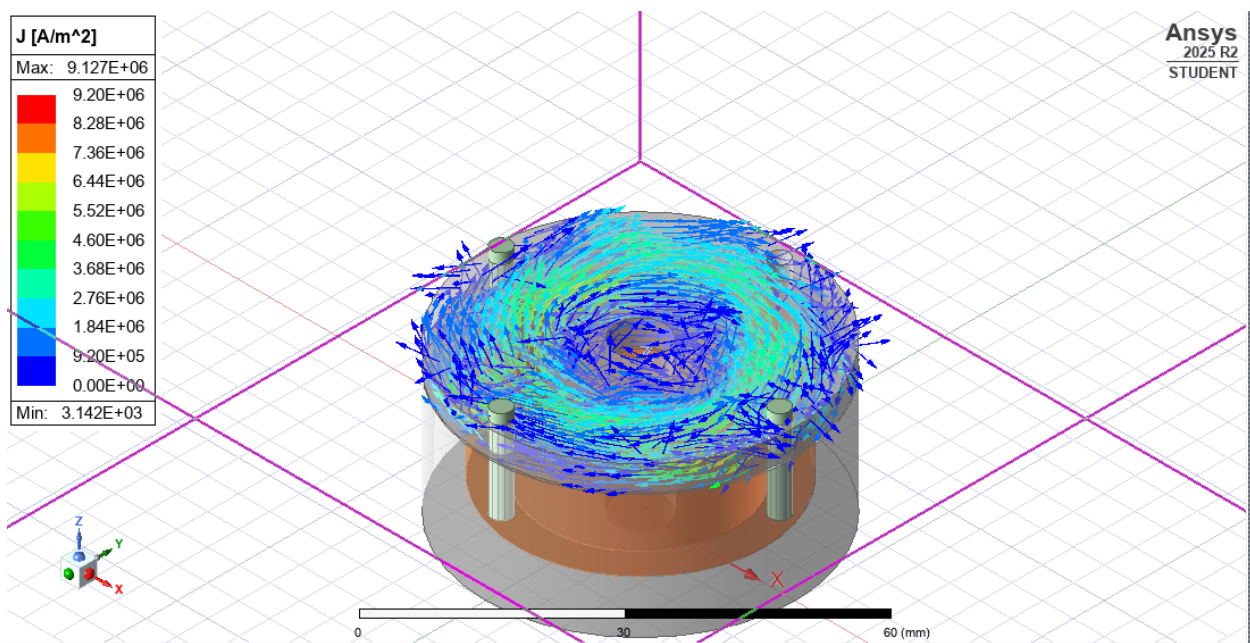


## Results:

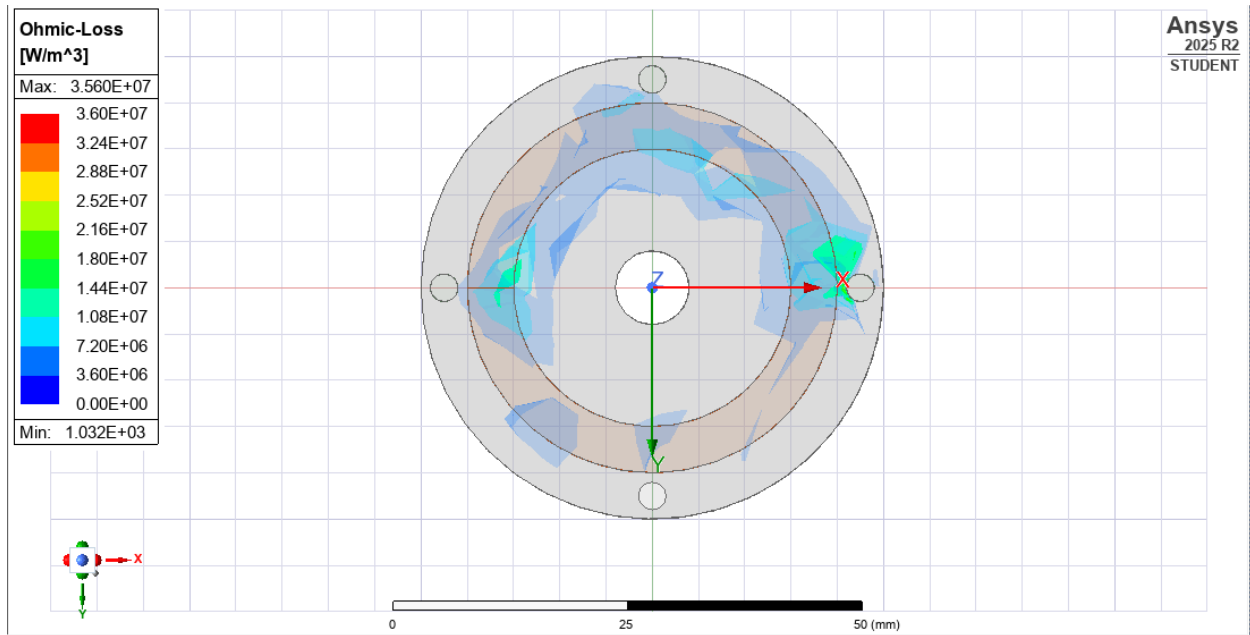
### Force vs Air gap:



### Magnetic Field Contour:



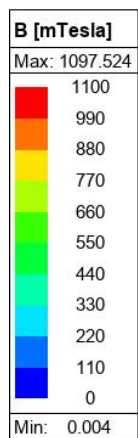
Ohmic Loss:



Eddy Current Loss:

Scl : 157.415820844677  
Scl : Loss\_Core  
Scl : 15.3747344562047  
Scl : Loss\_Plate  
Scl : 12.5396489914796

B contour:



Ansys  
2025 R2  
STUDENT

