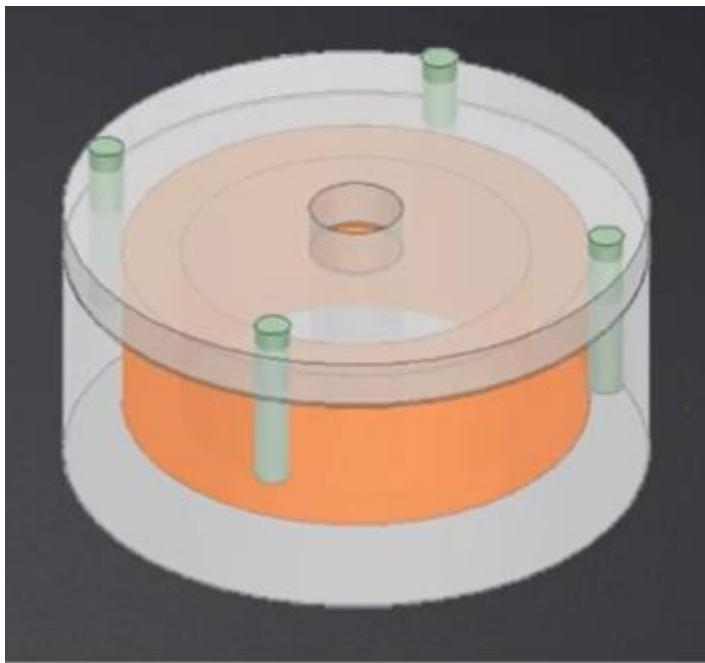


Project 13: Eddy Current Calculation of an Electromagnetic Brake

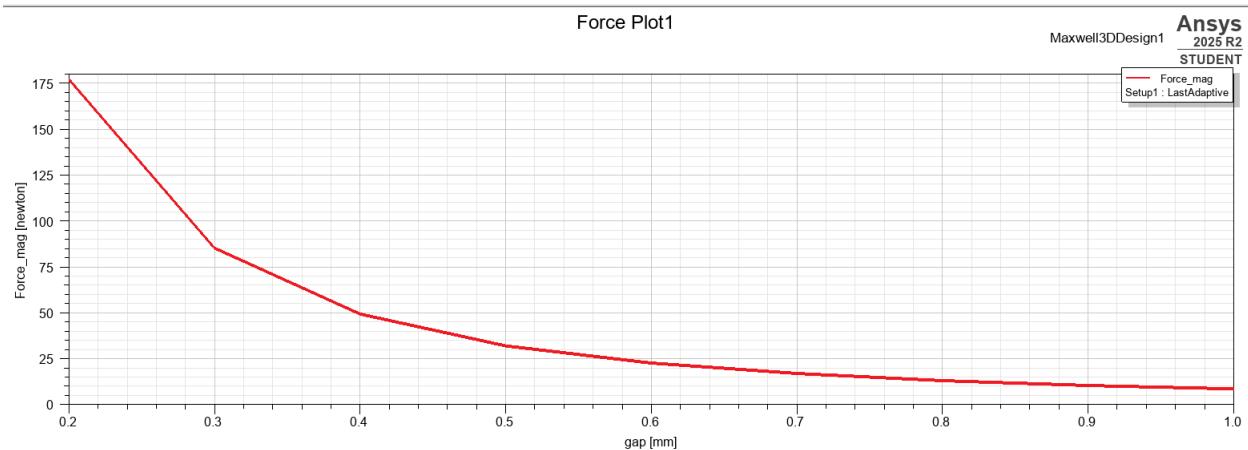
Problem Statement: Calculate eddy current in an electromagnetic brake.

Geometry:

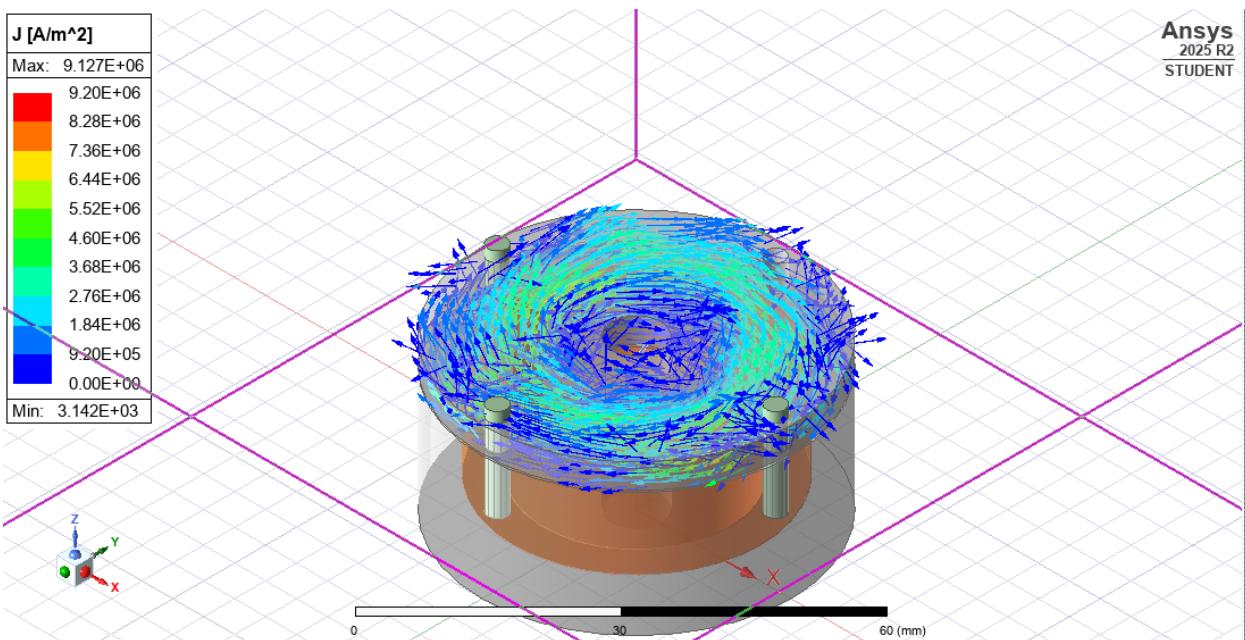


## Results:

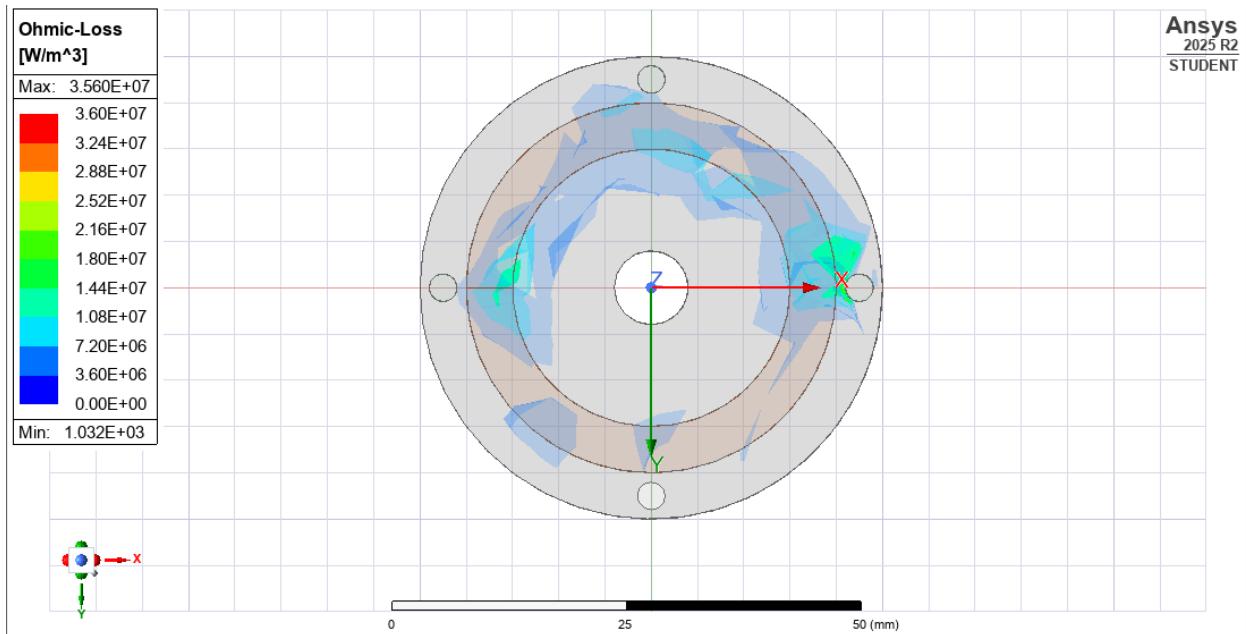
### Force vs Air gap:



### Magnetic Field Contour:



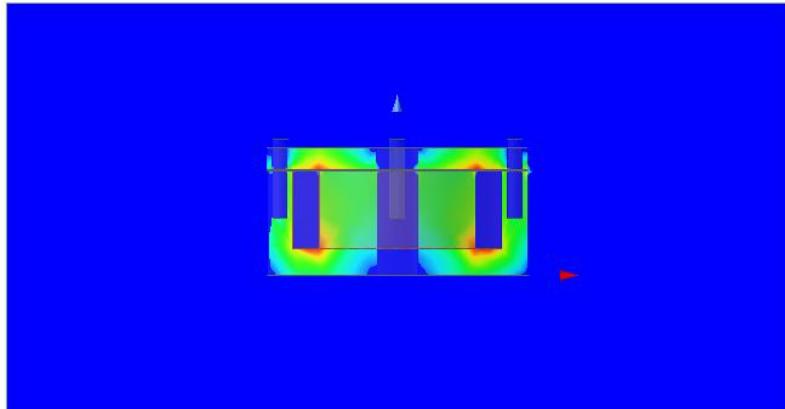
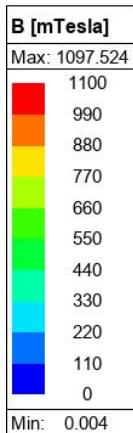
### Ohmic Loss:



### Eddy Current Loss:

```
Scl : 157.415820844677
Scl : Loss_Core
Scl : 15.3747344562047
Scl : Loss_Plate
Scl : 12.5396489914796
```

### B contour:



**Ansys**  
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STUDENT

0 45 90 (mm)