

Celal KAVLAK

$$B = 0.5 \text{ T},$$

$$H = \frac{B}{\mu_0} = 397887 \text{ A/m}$$

$$H * 0.02\text{m} = I = 7958\text{A}$$

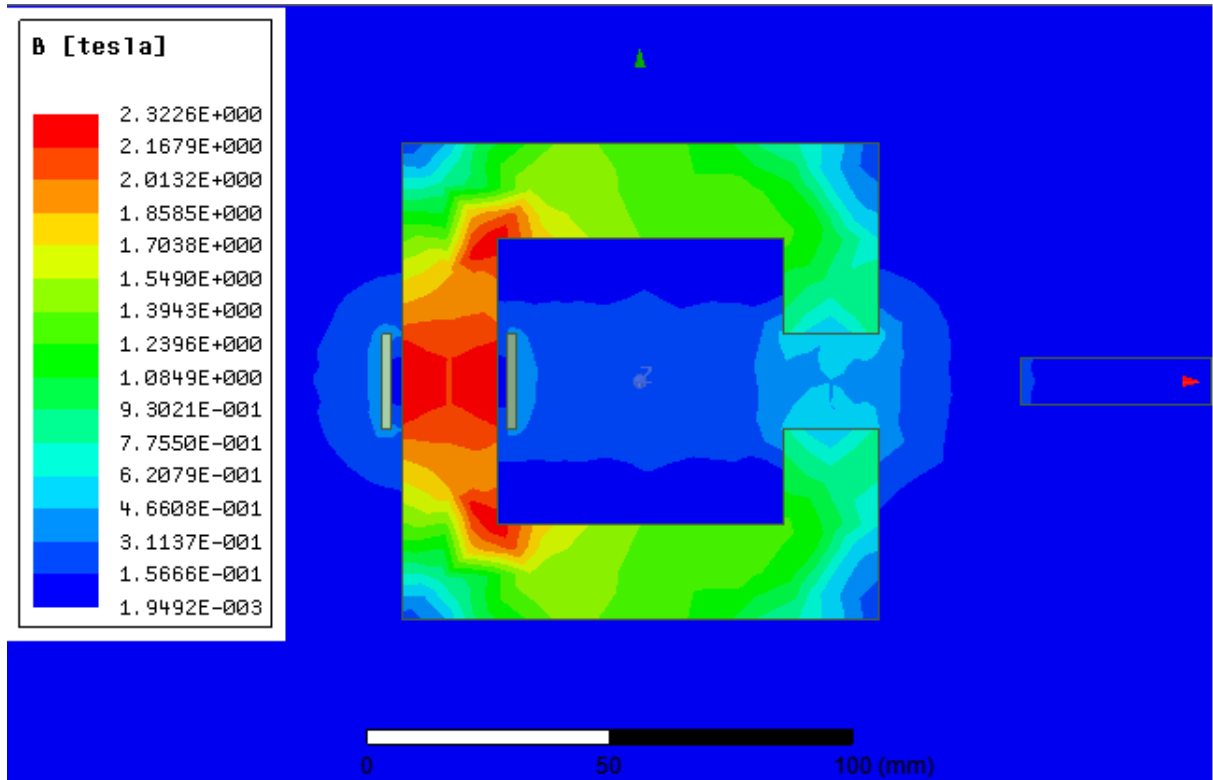
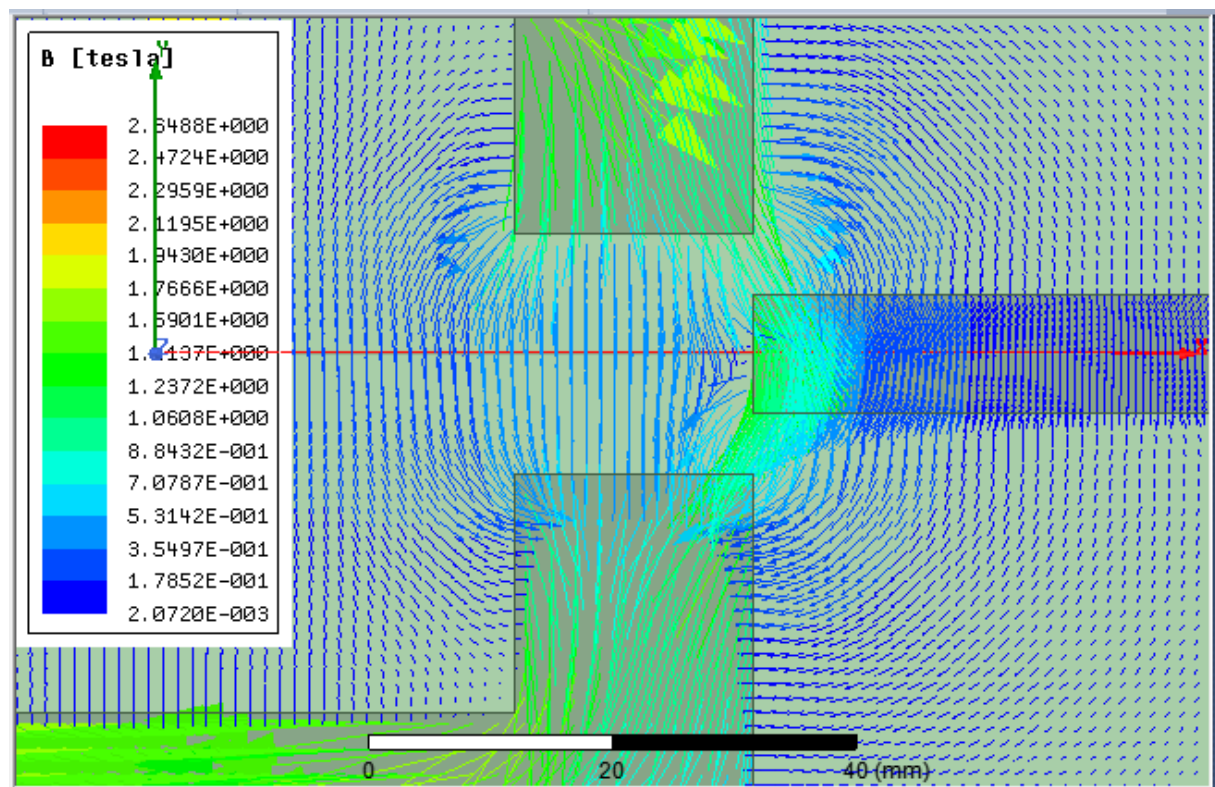
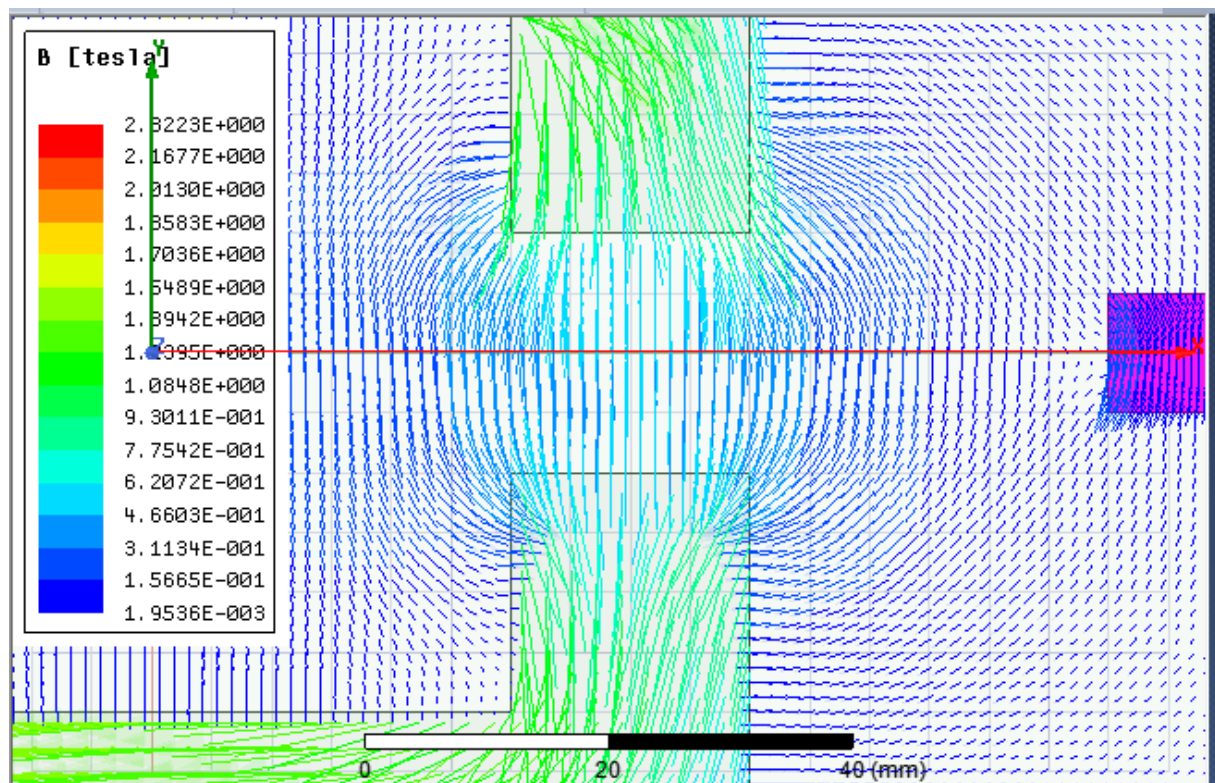
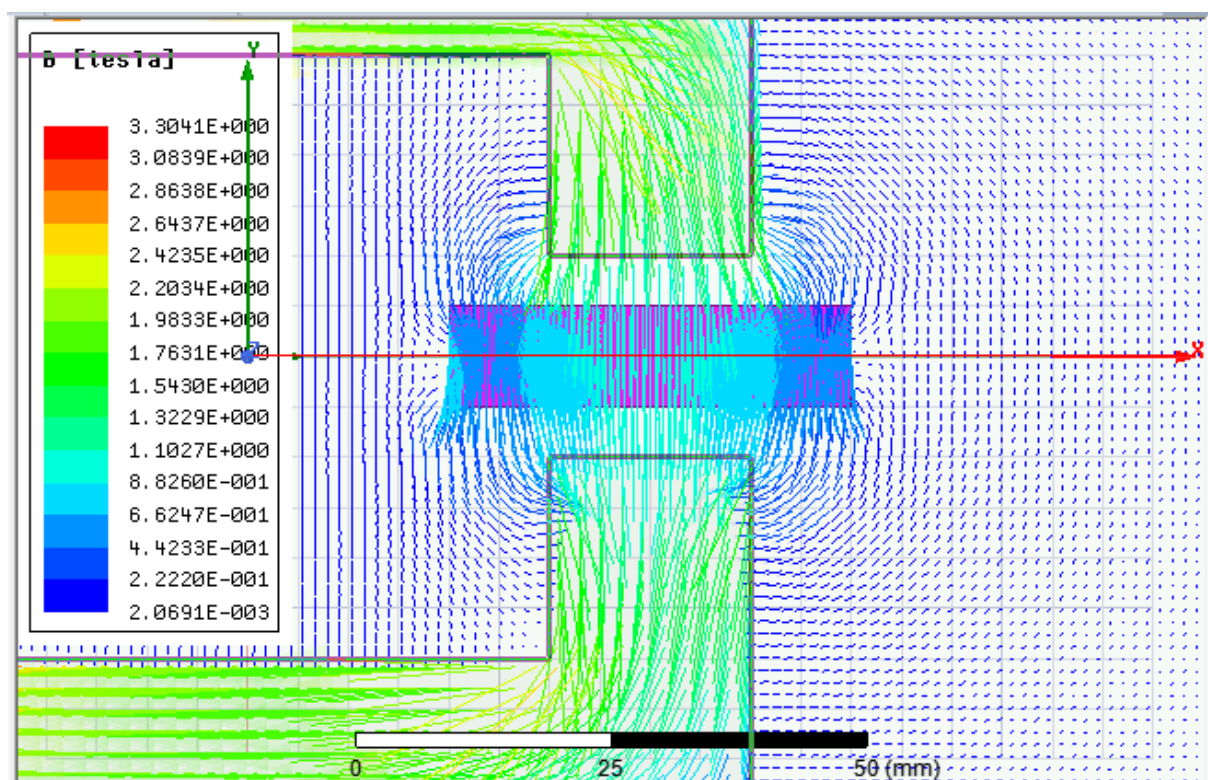
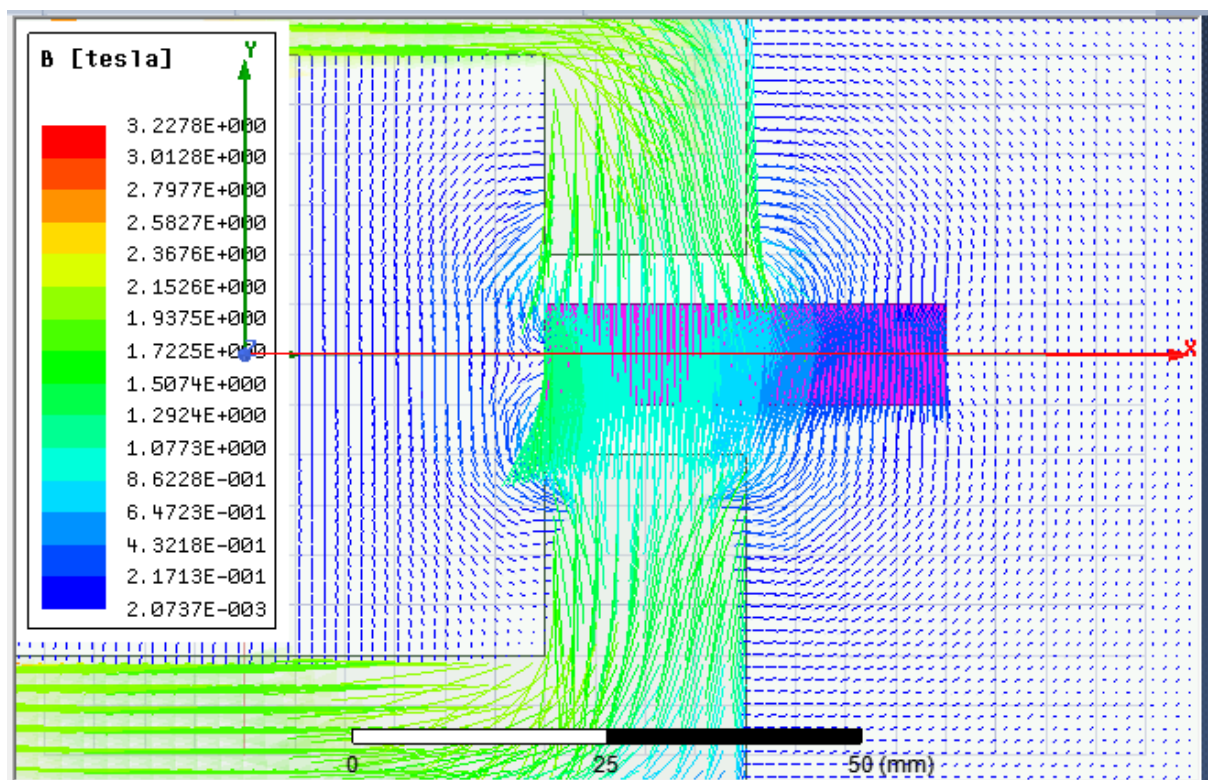


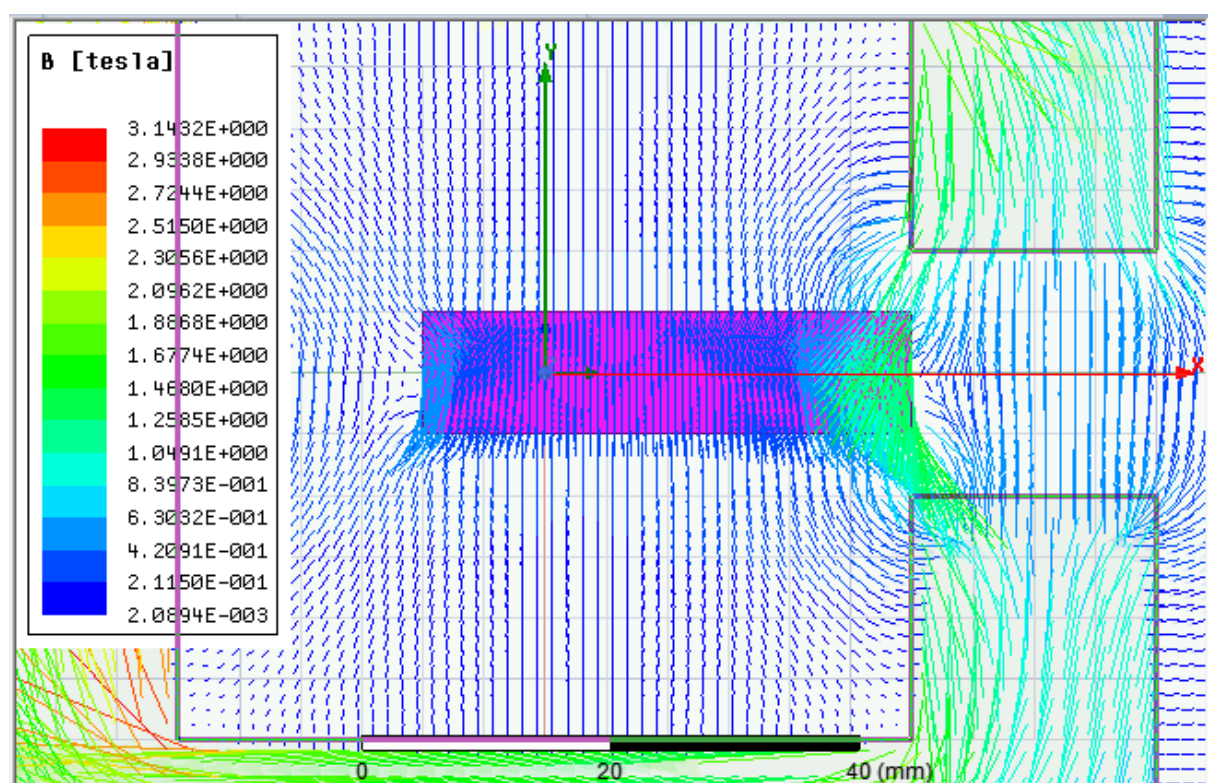
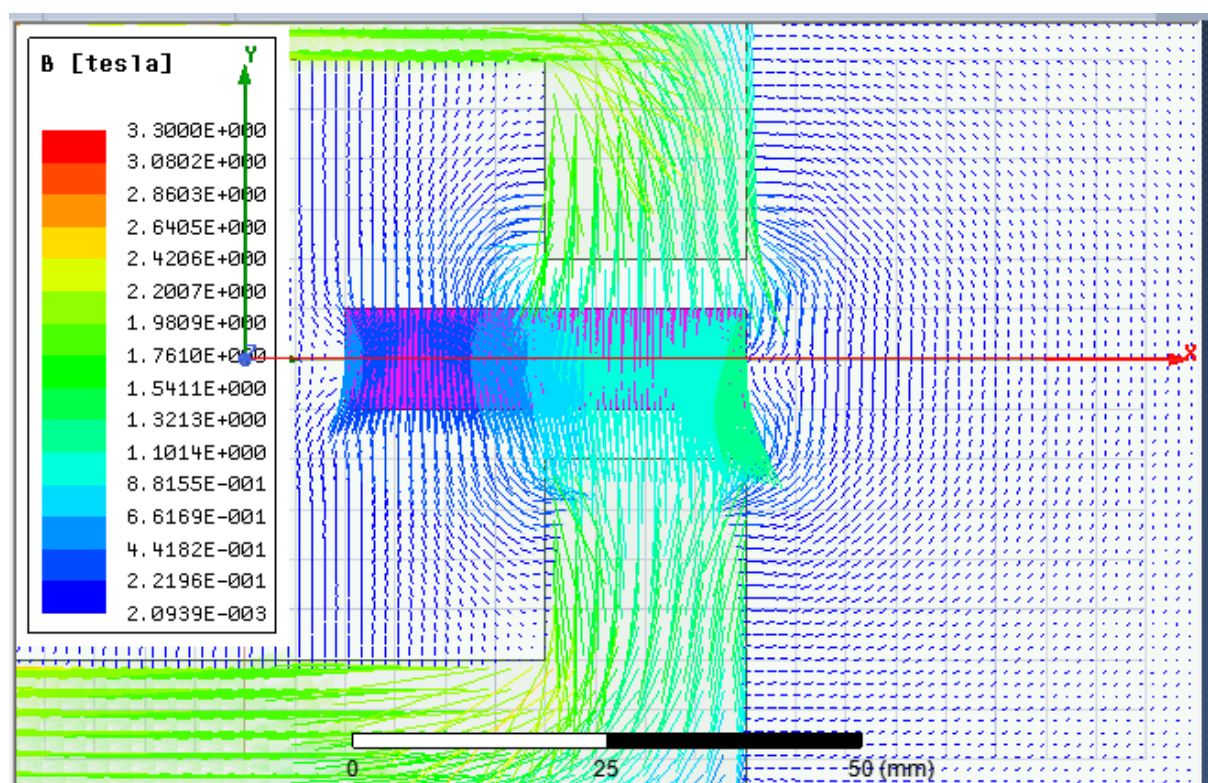
Figure 1: flux density magnitude

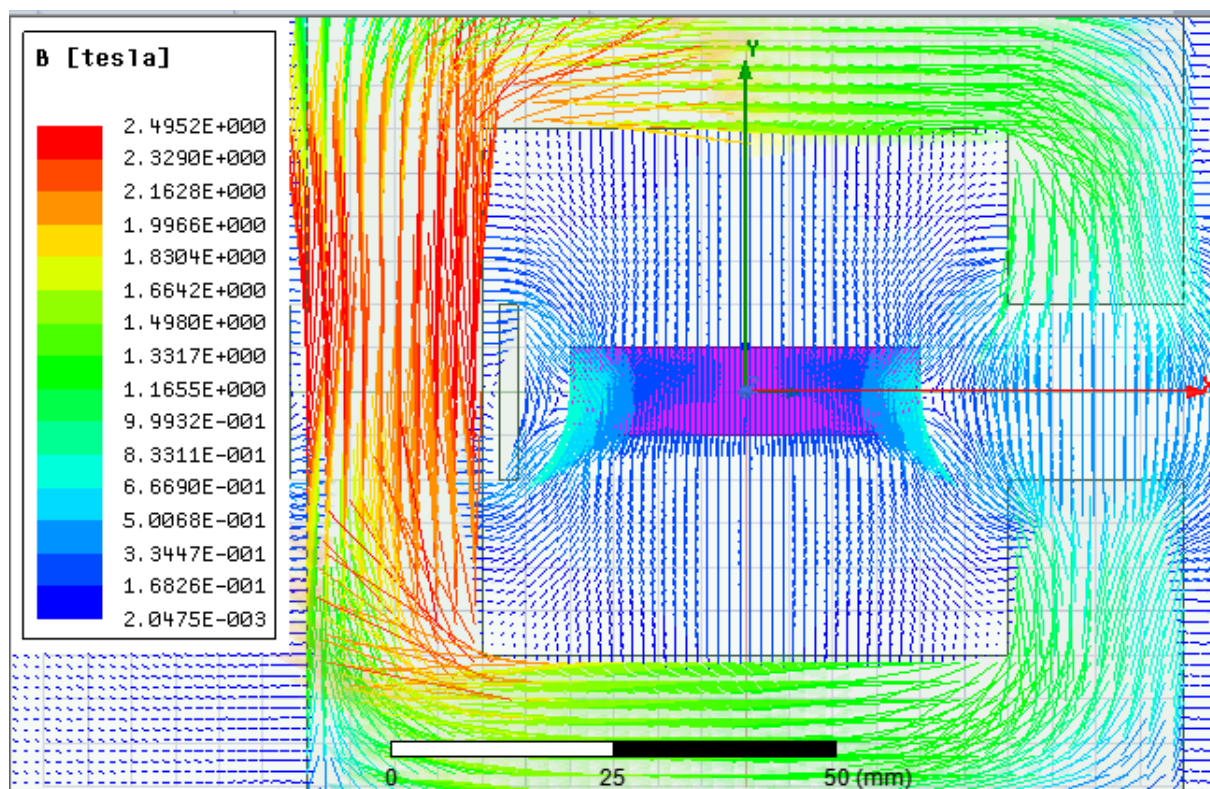
Approximately, 0.5 T is seen in the air gap.

Flux density vectors are as follows for different positions of plunger.









Force densities on the plunger are as follows:

