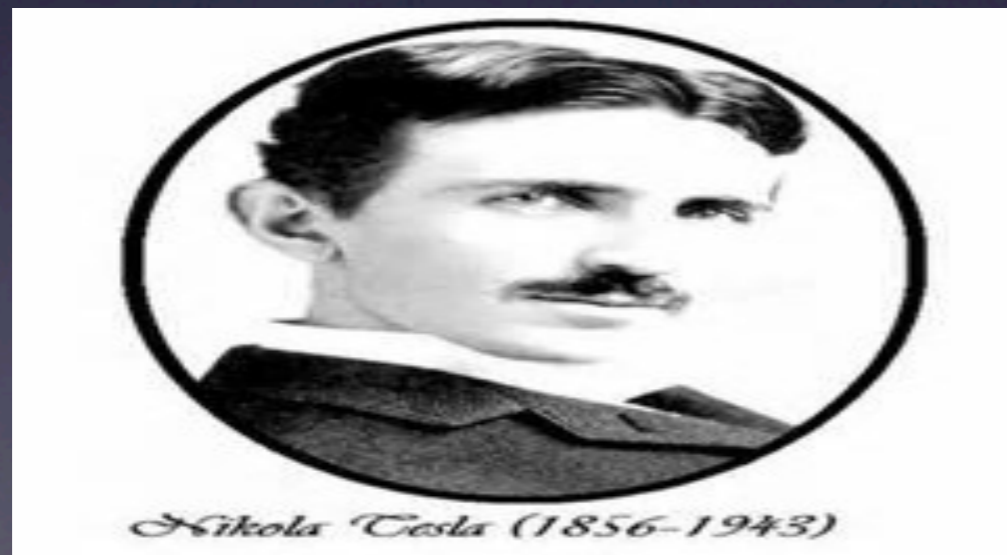
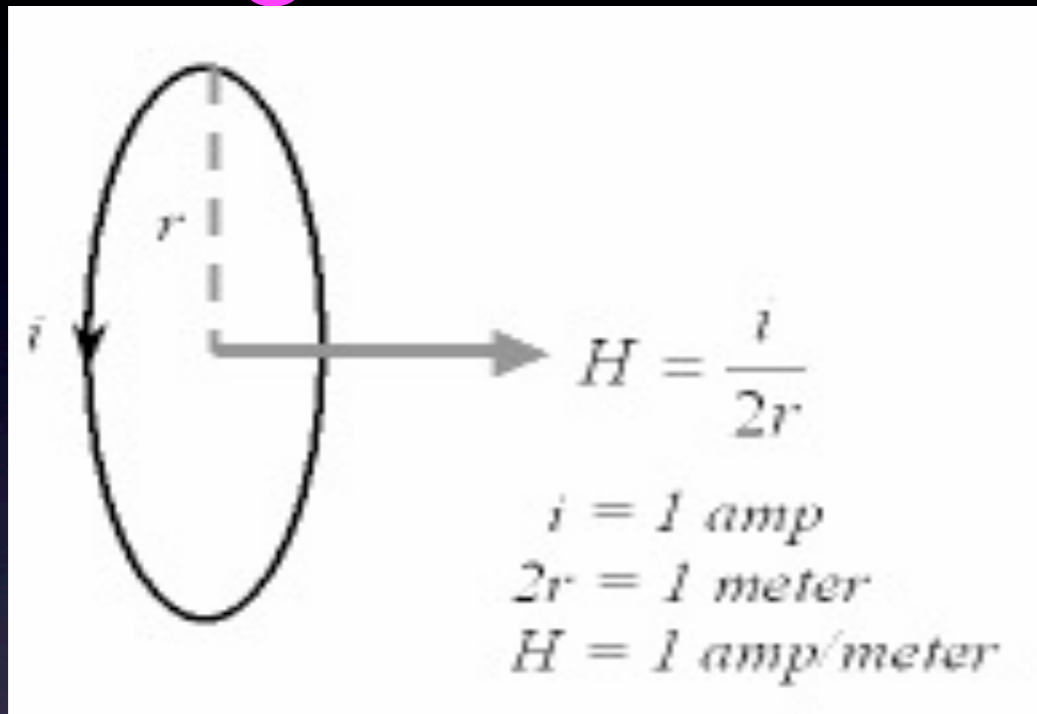


# Magnetic field density and MF strength



Ask Mish



- $B = \mu (H+M)$  where:
- $B = \text{MF density}$  or induction,
- $H = \text{MF strength}$  in  $A/m$  and  $M = \text{magnetization of the material in } A/m$ ,
- $\mu = \text{magnetic permeability of the space}$
- $B$  is expressed in Tesla.  $1T = 10,000 \text{ Gauss}$
- Nikola Tesla discovered in 1882 rotating MF
- $< 0.2 T = \text{weak MF}$
- $0.2 - 0.6 T = \text{medium MF}$
- $> 1 - 1.5 T = \text{strong MF}$