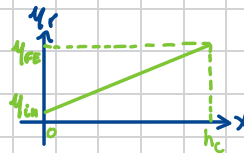
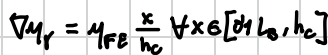




$$R_{\phi} = \frac{h_c + L_B - t}{\gamma_0 \Delta \gamma_k \text{ Disp}}$$

$$\begin{cases} R_g^0 \approx \frac{L + h_c - 0}{\frac{1}{4} \frac{1}{15} (0) S_{\text{disp}}} \approx \frac{10^{-1}}{10^{-7} 10^3 10^{-4}} = 10^9 \\ R_g^1 \approx \frac{L + h_c - h_c}{\frac{1}{4} \frac{1}{15} S_{\text{disp}}} \approx \frac{10^{-1}}{10^{-7} 10^3 10^{-4}} = 10^9 \end{cases}$$


$$P_{LT} = \sum_{i=1}^n R_{L0}^i + R_L^i + P_{LB}^i \Rightarrow NI_{dc} = \phi R_T \Rightarrow B = \frac{\phi}{S_B} = \frac{NI_{dc}}{P_{LT} S_B} \Rightarrow F = \frac{1}{2} \frac{B^2 S_B}{\mu_0}$$