

Name: _____

Date: _____

Partner: _____

Watch Your units!

Attach your final plot, professionally formatted.

Each group should submit one completed Excel spreadsheet (.xls, not .xlsx) to my inbox. The name of the spreadsheet should be *abc12-def34-magnetic.xls*, where the "abc12" and "def34" are the Geneseo email addresses of the two partners.

All data and computations must be done in the spreadsheet itself.

Directly measured values:

$$r = \underline{\hspace{2cm}} \pm \underline{\hspace{1cm}} \text{ cm}$$

$$R = \underline{\hspace{2cm}} \pm \underline{\hspace{1cm}} \text{ cm}$$

$$L = \underline{\hspace{2cm}} \pm \underline{\hspace{1cm}} \text{ cm}$$

$$D = \underline{\hspace{2cm}} \pm \underline{\hspace{1cm}} \text{ cm}$$

$$H_0 = \underline{\hspace{2cm}} \pm \underline{\hspace{1cm}} \text{ cm}$$

$$H_1 = \underline{\hspace{2cm}} \pm \underline{\hspace{1cm}} \text{ cm}$$

$$I_{\min} = \underline{\hspace{2cm}} \text{ amps}$$

$$I_{\max} = \underline{\hspace{2cm}} \text{ amps}$$

Computed values:

$$\Delta H = \underline{\hspace{2cm}} \pm \underline{\hspace{1cm}} \text{ cm}$$

$$\Delta x = \underline{\hspace{2cm}} \pm \underline{\hspace{1cm}} \text{ mm}$$

$$d = \underline{\hspace{2cm}} \pm \underline{\hspace{1cm}} \text{ mm}$$

$$\text{Slope} = \left(\underline{\hspace{2cm}} \pm \underline{\hspace{1cm}} \right) \times 10 \text{ kg/A}^2$$

$$\mu_0 = \underline{\hspace{2cm}} \pm \underline{\hspace{1cm}} \text{ N/A}^2$$

$$\left(\frac{\mu_0}{\pi \times 10^{-7}} \right) = \underline{\hspace{2cm}} \pm \underline{\hspace{1cm}}$$

Linest results

Units →		