

Topic 03. Electricity and Magnetism. Part 2

1. $B = \frac{(\pi - \varphi + \tan \varphi) \mu_0 I}{2\pi R} = 28 \mu T$
2. (a) $97.9 H$; (b) $0.196 mJ$
3. $\vec{B} = (-3.0\vec{i} - 3.0\vec{j} - 4.0\vec{k}) T$
4. $0.68 MV/m$