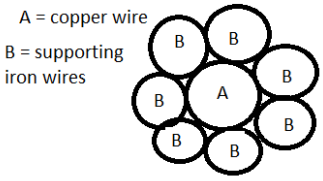
General Physics A2 Notes not specific to topics



$$R_T = \frac{1}{\frac{1}{\frac{R_B}{7}} + \frac{1}{R_A}}$$

$$R = \frac{2\rho l}{4\pi r^2}$$

2 conductors in series, each with 4 interior strands

Where 2 is the number of conductors in series, 4l is the length of each conductor, 4 is the number of strands in each conductor and r is the radius of one of the strands

From spec:

(h) sketch simple functions including

$y = \frac{k}{x}$, $y = kx^2$, $y = \frac{k}{x^2}$, $y = \sin x$, $y = \cos x$ and $y = e^{-x}$.

Be careful with questions with mass in g or cm etc, remember to convert to correct units

AS Equations that could come up again:

$$\lambda = \frac{h}{\rho} = \frac{h}{mv}$$

TODO: add AS equations