## Answer on Question #46396, Physics, Electric Circuits

*In an experiment, potential difference is plotted on the vertical axis and current on the horizontal axis. The slope of the graph represents.* 

resistivity conductivity **resistance** conductance

Tangent of slope angle of the graph when potential difference is plotted against current is equal to the ratio:

$$tg(\phi) = \frac{U}{I}$$

As we know from the Ohm's law,  $\frac{U}{I}$  is a **resistance**.

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