

Current Worksheet

Overview

This worksheet is the companion to the “Lesson / Current Draw Procedure” PDF and video. Fill in the charts as specified by the current draw lesson.

Current Table

Theta (degrees)	Trial 1 Current (A)	Trial 2 Current (A)	Trial 3 Current (A)	Average Current (A)
0				
5				
10				
15				
20				
25				

Time Table

Theta (degrees)	Trial 1 Time (s)	Trial 2 Time (s)	Trial 3 Time (s)	Average Time (s)
0				
5				
10				
15				
20				
25				

Work Table

Theta (degrees)	Average Current (A)	Average Time (s)	Average Work (J)
0			
5			
10			
15			
20			
25			

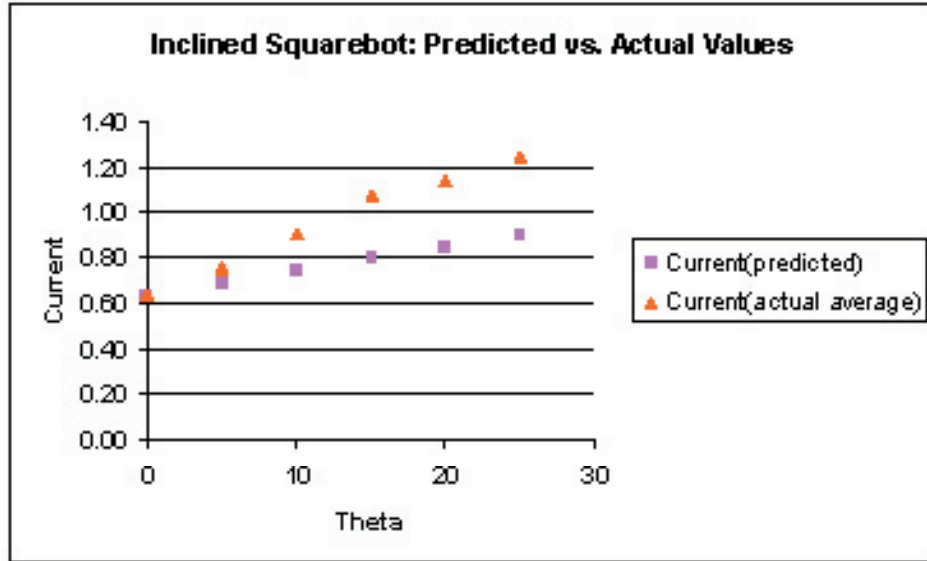
$$Work_1 = F \times d$$

$$Work_2 = V \times I \times t$$

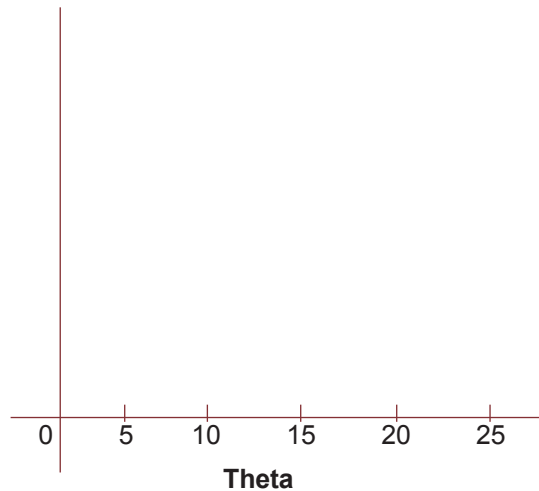
Current Worksheet *continued*

Graphs

In this section, you will graph your results. Below is a sample graph of theta vs. current. Use this sample as a guideline for creating your own graph.



We have provided three blank graphs for you to graph your data. Don't forget to label the y-axis and give the graph a title, as above.



Current Worksheet *continued*

