

MOTION

Power and Distance Investigation

Investigation Description

The Power and Distance Investigation involves changing the values of the power parameter to then see if there is a direct relationship between power and how far the robot travels. The timing of the program will remain constant throughout the investigation.

Procedure

Use a table, like the one pictured below, to record your results. Run each trial three times and measure the distance traveled. Then, calculate the average distance traveled.

Power Level	Measured distance traveled first test	Measured distance traveled second test	Measured distance traveled third test	Average distance traveled
25				
50				
75				
100				

