

Lab 3-3: Velocity Vectors 2

Purpose: You will investigate the motion of a toy car moving on a board on your lab table. If the toy car is trying to go across the table, does the motion of the board affect the time it takes to cross the table?

Materials: 1 toy car 1 board 1 stopwatch

Procedure:

By doing multiple trials, determine the time it takes the toy car to cross the lab table while on the board with the board not moving. Then repeat those steps - but somehow push the board across the lab table while the car is moving. Try a variety of speeds and directions, always doing multiple trials.

Explain what you did below, make appropriate data tables, show your analysis and make a conclusion.

Data:

Analysis:

Conclusions: