CALIFORNIA STATE SCIENCE FAIR
2014 PROJECT SUMMARY

Name(s)
Minkyung Kim

Project Number
S1815

Project Title
Speed of Waves on Strings

Abstract

Objectives/Goals
The objectives of this experiment is to calculate the velocity of a standing sinusoidal wave and to investigate the relationship between number of nodes and wavelength.

Methods/Materials
Different kinds of strings and different masses (tensions), generator, pulley, and vibrator are used in this experiment.

Results
Results include the datas of theoretical and empirical velocities, wavelength, frequency, tension, number of nodes, and mu of the waves on the strings.

Conclusions/Discussion
Conclusions conclude that there is discrepancy between the theoretical and empirical velocity, and will explain the reason.

Summary Statement
My project is about the Speed of Waves on Strings.

Help Received
worked in Ribet Academy's physics and chemistry laboratory.