

Prelab 11

Imagine that you have the Pasco track on a 30 degree incline. You attach a Pasco dynamics cart to the top of the incline with a spring. The spring has a force constant of 200 N/m. You then take a second spring and attach it to the first spring so that the cart is now suspended by two springs end to end. Using Interactive physics determine the stretch of the springs in the second situation and determine the force constant for a third spring to be made out of a different material that will exhibit the same stretch as the two springs in series.

