

Physics 1114 - General Physics I

Lab 4 - 2012.06.27

Overview: We will study the Conservation of Momentum.

Details: The airslide will be used to create experiments similar to those illustrated in example 8.4 and figures 8.9 and 8.10.

Using two sleds on the airslide, you are to construct experiments which will closely model elastic and inelastic collisions, measuring the total momentum in each case. Springs or metal bands can be attached to the ends of the sleds to create a system close to elastic, while velcro can be used to make the sleds behave in a more inelastic manner upon colliding.