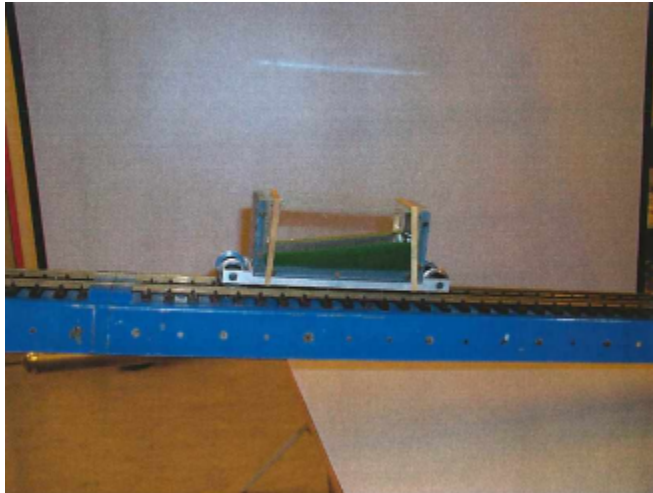
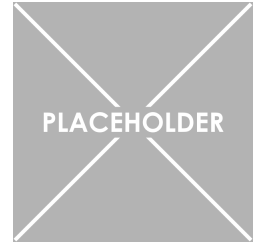


Cart on Inclined Plane

Key words: Mechanics, Cart, Incline, Fluid, Inertia



Equipment List:

1. Rails
2. Cart with container of liquid soap

How to assemble and operate:

- Place rails on an inclination of your choosing. If in doubt, start at a shallow angle and increase if needed
- Place the cart at the top of the rail
- Release the cart and observe the liquid

Description/Theory:

This demonstration illustrates the inertia of fluid in a moving vehicle. When the cart stops, the liquid does not stop immediately.

Comments/Notes:

Ensure that there is a textbook or similar object at the end of the rail to stop it.