

1Q10.30 - CYLINDERS ON AN INCLINED PLANE



Key words: mechanics, cylinders, inclined plane, friction

Equipment List:

1. Inclined plane,
2. Cylinders with various densities
3. Smaller polystyrene board

How to assemble and operate:

- Setup the inclined plane using the board at the back of the plane. Put the polystyrene board at the end on the inclined plane.
- Take various cylinders and let them roll on the inclined plane, with the same starting time and observe which one makes it to the end first and why.

Description/Theory:

This demonstration involves cylinders of various densities rolling down an inclined plane. It illustrates the principles of gravity, friction, and inertia in a tangible and engaging way.

Comments/Notes: