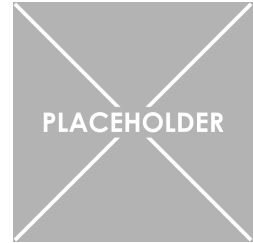


Inertia of Rest with Mass and String

Key words: mechanics, inertia, rest, mass



Equipment List:

1. Mass
2. Two strings
3. Ring
4. Frame with hooks

How to assemble and operate:

- Assemble the frame as shown in the image
- Attach the strings to the mass and tie the ring to one end
- Attach the mass to the hook with the non-ring end
- Pull on the ring quickly and observe the lower string breaks
- Reattach and pull slowly, observe the upper string breaks

Description/Theory:

This demonstration illustrates the inertia of rest of the mass, which changes depending whether the mass is jerked quickly or pulled slowly.

Comments/Notes: