

Rotating With Masses



Purpose: To show how you can change rotational speed by changing rotational inertia, while conserving angular momentum.

Location: room 136, on the stainless steel cart shelves V1 & V3
(Caution: Platform is heavy.)

Start a student rotating VERY SLOWLY while standing on the platform holding two cylindrical masses in their outstretched hands. Have them bring the masses in close to the axis of rotation and notice them speed up. Have them hold them out again to slow down. **CAUTION:** Not too fast, and stop before the subject gets dizzy.