

Transferring Angular Momentum



Purpose: To show that a student can be made to rotate by “giving” him/her some angular momentum

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

Get the bicycle wheel spinning then give it to a student standing on the rotational platform (left photo). He can then extract some angular momentum by rotating the axis of the wheel 180° so it is spinning in the opposite direction (right photo). Conservation of angular momentum requires that he begin rotating. **CAUTION:** Not too fast, and stop before the student gets dizzy.

(Also see **Rotating Platform and Wheel** demo.)