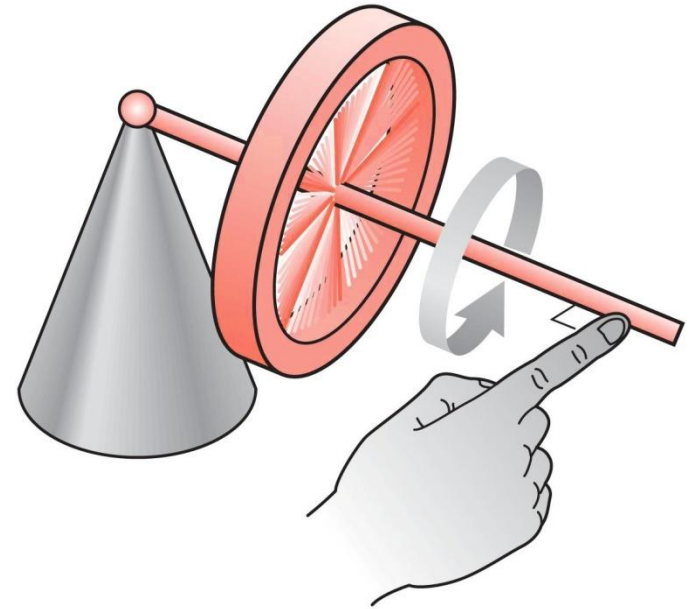


A hollow ball, a solid ball, and an ice cube are released from the same height on an inclined plane, and the first two roll down without slipping and the ice cube slides down. In each case, assume that the work done by the frictional force is negligible because of the small rolling friction (ball) or the small kinetic friction (ice cube). Is the order in which these three objects arrive at the bottom dependent on their masses at all?

- A. Yes
- B. No

Suppose you push horizontally at right angles to the shaft of a spinning gyroscope, as shown in the figure. Which way will the shaft move?



- A. The shaft will move upward.
- B. The shaft will move downward.
- C. The shaft will move in the direction of the push.
- D. The shaft will move opposite to the direction of the push.