

Ex 20.2

Rotational motion problem



a.) Before you tapped the globes, they were certainly in rotational motion with respect to you. After tapping them, they were no longer in rotational motion w.r.t. you.

b.) The globes were perhaps in absolute rotational motion before they were tapped. They were either at rest or rotating counterclockwise, but at a slower rate than yourself. So to you, they only appeared to be rotating clockwise. After tapping them, their counterclockwise rotation rate was increased (or perhaps created) so that the elastic cord stretches. To you, of course, they appear now at rest, since they are rotating counterclockwise at the same rate as yourself.

B.) (See above)