

9.

A crate of eggs is located in the middle of the flatbed of a pickup truck as the truck negotiates a curve in the flat road. The curve may be regarded as an arc of a circle of radius 35.0 m. If the coefficient of static friction between crate and truck is 0.600, how fast can the truck be moving without the crate sliding?

Figure P6.8

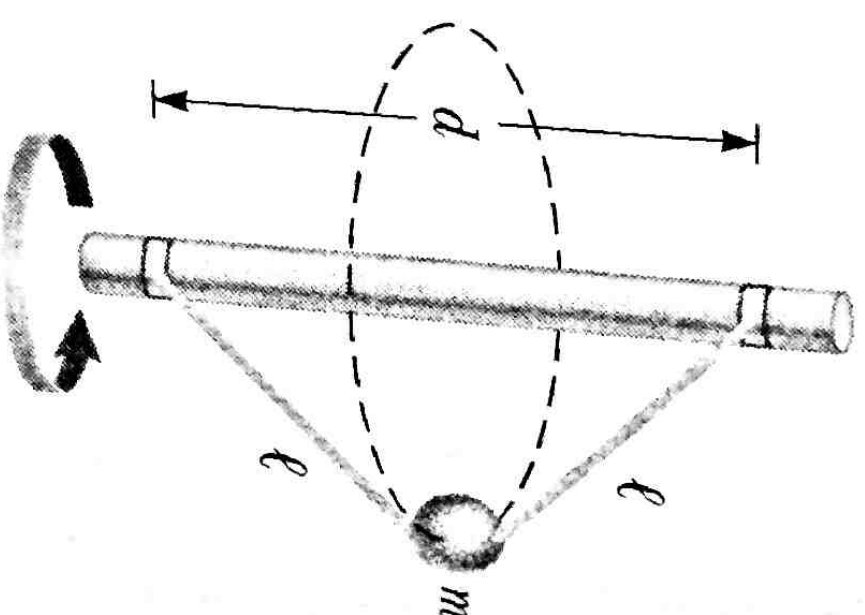


Figure P6.10

10. Why is the following situation impossible? The object of mass $m = 4.00$ kg in Figure P6.10 is attached to a ver-