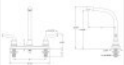


# PROBLEM 10.11

Two identical spheres, each of mass  $m$ , are suspended from a horizontal ceiling by two strings of length  $l$ . The strings are attached to the ceiling at a distance  $2l$  apart. The spheres are released from rest at an angle  $\theta_0$  to the vertical. Determine the speed of each sphere at the instant the strings are vertical.



PROBLEM 10.11