

to revolve around the pole at a speed of 4.29 m/s in a horizontal circle with the string remaining taut. Calculate the angle, between 0° and 90°, that the string makes with the pole. Take g = 9.81 m/s2.











$$\begin{array}{c} \overline{z} = m_{A_{B}} \frac{1}{z} = \overline{z} = m_{B} \frac{1}{z} \\ \overline{z} = m_{A_{B}} \frac{1}{z} = \overline{z} = m_{B} \frac{1}{z} \\ \overline{z} = m_{A} \frac{1}{y} \frac{1}{z} \\ \overline{z} = m_{A} \frac{1}$$