



$$|\vec{a}_B| = ?$$

$$\dot{v} = a_t = -0.6 \text{ m/s}^2$$

$$a_{Bn} = \frac{v_B^2}{\rho}$$

$$v_B^2 = v_A^2 + 2as = 16^2 + 2 * (-0.6)120 = 112$$

$$v_B = 10.58 \text{ m/s}$$

$$a_{Bn} = \frac{v_B^2}{\rho} = \frac{10.58^2}{60} = 1.867 \text{ m/s}^2$$

$$|a_B|, \theta = Pol(a_t, a_{Bn}) = 1.9601 \text{ m/s}^2, 162.2107.8^\circ$$