

Engineering Mechanics – Dynamics Worksheets

Force Acceleration II – Problem 1

The two crates are released from rest. Their masses are $m_A = 40 \text{ kg}$ and $m_B = 30 \text{ kg}$, and the coefficients of friction between crate A and the inclined surface are $\mu_s = 0.2$ and $\mu_k = 0.15$. What is the acceleration of the crates?

