





2.5 Pulleys

Things to know about pulleys:

- we assume no friction
- the pulley only changes the direction of the force









Two-Pulley System

Ex.) A box with a mass of 0.665 kg is on a horizontal table. Attached via pulleys are two masses, one 0.20 kg and one 0.25 kg. What is the acceleration of the system?





Ex.) What is the acceleration of a box if the force friction between the table and the 15 kg box is 10 N? m_A = 9.0 kg, m_B = 7.0 kg

