

Homework Problem 3.B

Given: Blocks A and B are at rest on a pair of smooth guides, as shown in the figure, where m_A and m_B are the masses for A and B, respectively. A horizontal cable connects the two blocks.

Find: Determine the mass ratio m_A/m_B required for equilibrium.

Use the following parameters in your analysis: $\phi = 75^\circ$ and $\alpha = 25^\circ$.

