

Homework Problem H20.A

Given: A wedge is used to support a disk having a weight of W . The weight of the wedge is negligible compared to the weight of the disk.

Find: Determine the *minimum* value of the wedge force P in order to hold the disk in place. On which surface, A or B, does the disk slip at this minimum wedge force?

Express your answers in terms of W . Use the following: $\mu_s = 0.3$.

