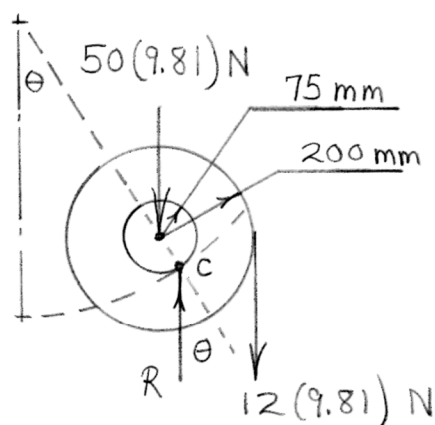


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$$\uparrow \Sigma M_C = 0: 50(9.81)(75 \sin \theta) - 12(9.81)(200 - 75 \sin \theta) = 0$$

$$\theta = 31.1^\circ$$

$$\mu_{\min} = \tan \theta = \tan 31.1^\circ = 0.603$$

WILEY