

Problem P7

The gear has a mass of 2 kg and a radius of gyration of 0.19 m. The connecting link (slender rod) and the slider block at B have a mass of 4 kg and 1 kg, respectively. If the gear is released from rest in the position where $\theta = 30^\circ$, determine the angular velocity of the gear when $\theta = 0^\circ$. Only a portion of the two tracks are shown.

