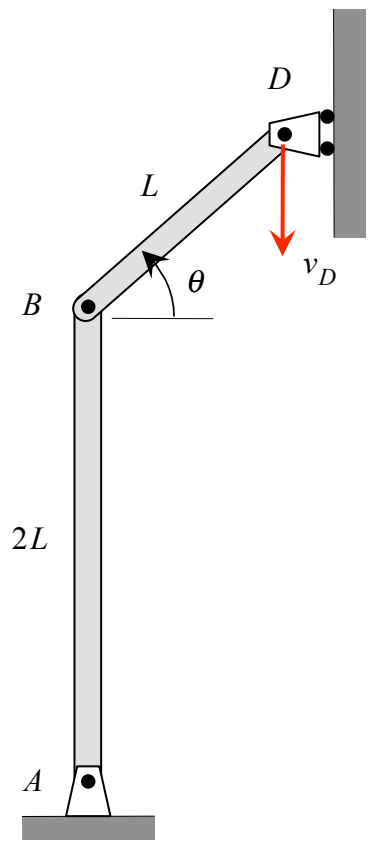
Homework H.2.D

Given: Roller D of the mechanism shown is moving downward along a straight vertical surface with a constant speed of v_D. At the instant shown, link AB is vertical.

Find: For this position:

(a) Determine the angular velocities of links AB and BD. Write your answers as vectors.

(b) Determine the angular accelerations of links AB and BD. Write your answers as vectors.



Use the following parameters in your analysis: $\theta = 53.13°$, $L = 2$ m and $v_D = 15$ m/s.

Freeform ©2021