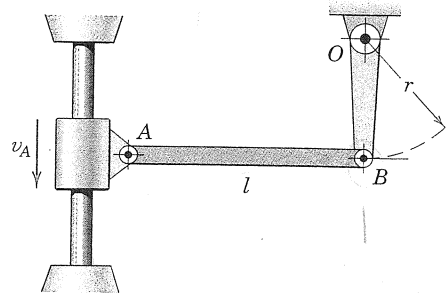


5/139 The sliding collar moves up and down the shaft, causing an oscillation of crank OB . If the velocity of A is not changing as it passes the null position where AB is horizontal and OB is vertical, determine the angular acceleration of OB in that position.

Ans. $\alpha_{OB} = \frac{v_A^2}{rl}$



$\alpha_{OB} = \frac{v_A^2}{rl}$

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