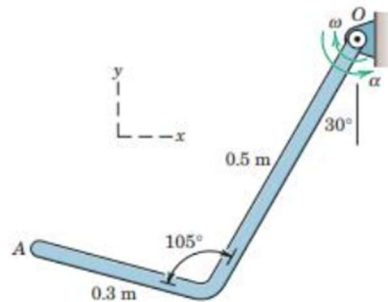


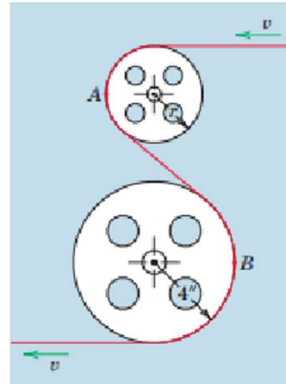
Problemas sugeridos

5/10 The bent flat bar rotates about a fixed axis through point O . At the instant depicted, its angular properties are $\omega = 5 \text{ rad/s}$ and $\alpha = 8 \text{ rad/s}^2$ with directions as indicated in the figure. Determine the instantaneous velocity and acceleration of point A .



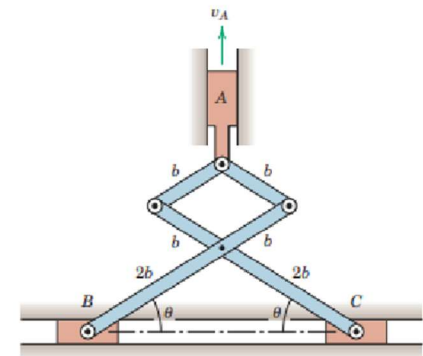
Problem 5/10

5/18 Magnetic tape is being fed over and around the light pulleys mounted in a computer. If the speed v of the tape is constant and if the magnitude of the acceleration of point A on the tape is $4/3$ times that of point B , calculate the radius r of the smaller pulley.



Problem 5/18

5/45 Motion of the sliders B and C in the horizontal guide is controlled by the vertical motion of the slider A . If A is given an upward velocity v_A , determine as a function of θ the magnitude v of the equal and opposite velocities which B and C have as they move toward one another.



Problem 5/45

Aspectos a dominar:

- Rotación de cuerpos rígidos
- Velocidad y aceleración en cuerpos rígidos

HINT: <https://youtu.be/vsmQ0nQ5CZw>