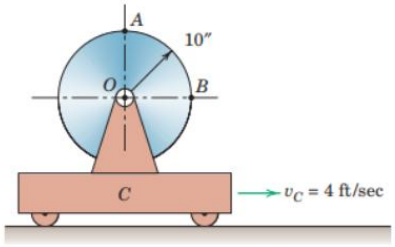
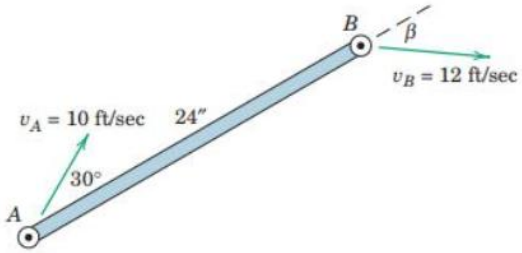
Problemas sugeridos

5/60 The cart has a velocity of 4 ft/sec to the right. Determine the angular speed N of the wheel so that point A on the top of the rim has a velocity (a) equal to 4 ft/sec to the left, (b) equal to zero, and (c) equal to 8 ft/sec to the right.



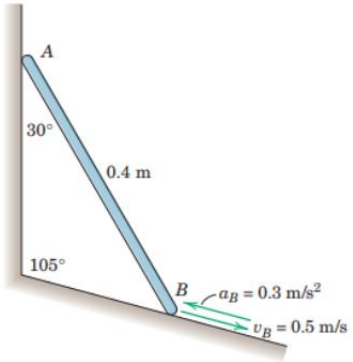
Problem 5/60

5/63 End A of the 24-in. link has a velocity of 10 ft/sec in the direction shown. At the same instant end B has a velocity whose magnitude is 12 ft/sec as indicated. Find the angular velocity ω of the link in two ways.



Problem 5/63

5/127 The bar of Prob. 5/81 is repeated here. The ends of the 0.4-m bar remain in contact with their respective support surfaces. End B has a velocity of 0.5 m/s and an acceleration of 0.3 m/s^2 in the directions shown. Determine the angular acceleration of the bar and the acceleration of end A.



Problem 5/127

Aspectos a dominar:

- Velocidad y aceleración relativa
- Centro instantáneo de velocidad cero

HINT: https://youtu.be/yfowvy2QUJw