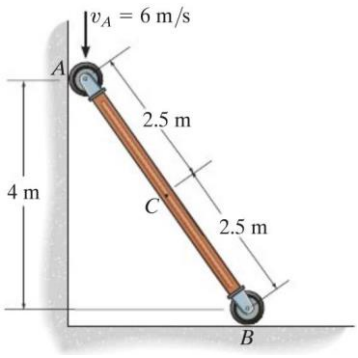
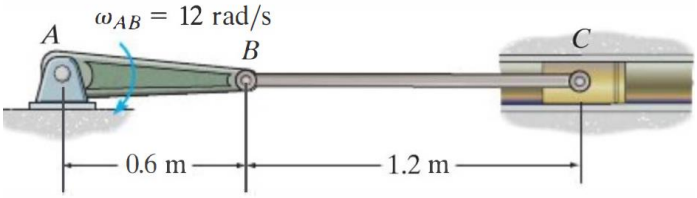
Usando CIR

F16-13. Determine the angular velocity of the rod and the velocity of point C at the instant shown.
Rta: 2 rad/s; 5 m/s a 323,1º

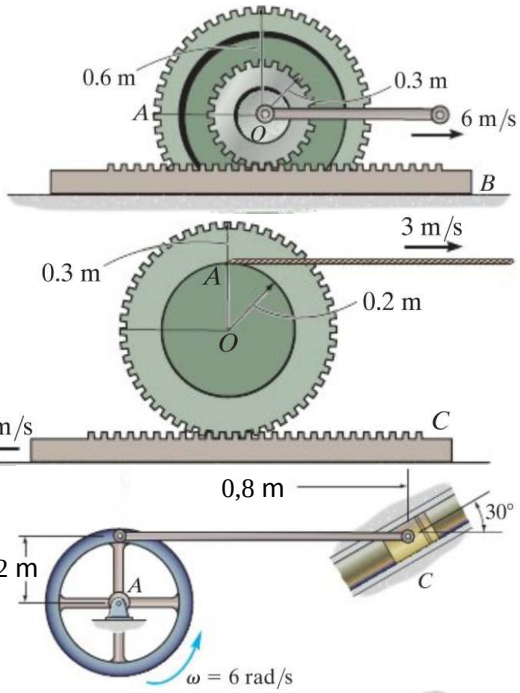


F16-14. Determine the angular velocity of link BC and velocity of the piston C at the instant shown. Rta: 6 rad/s; 0 m/s;



F16-15. If the center O of the wheel is moving with a speed of *vo* = 6 m/s, determine the velocity of point A on the wheel. The gear rack B is fixed.
Rta: 13,4 m/s a 63,4º.

F16-16. If cable AB is unwound with a speed of 3 m/s, and the gear rack C has a speed of 1.5 m/s, determine the angular velocity of the gear and the velocity of its center O.
Rta: 9 rad/s; 1,2 m/s.



F16-17. Determine the angular velocity of link BC and the velocity of the piston C at the instant shown.
Rta: 0,866 rad/s; 1,39 m/s

Fl6-18. Determine the angular velocity of links BC and CD at the instant shown.

Rta: 4,33 rad/s; 5 rad/s.