

Example Problem - Le 21

5.136 At the instant shown, $\theta=45^\circ$ and the plate ABC has a counterclockwise angular velocity of 20 rad/s and a clockwise angular acceleration of 100 rad/s^2 .

Determine:

- the magnitude of the velocity of the piston attached to C,
- the magnitude of the acceleration of the piston attached to C

(taken from *Dynamics, 3rd Edition* by Merriam & Kraige)

