ROSE-HULMAN INSTITUTE OF TECHNOLOGY

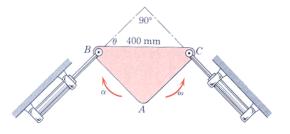
Department of Mechanical Engineering

ES 204 Mechanical Systems

Example Problem - Le 20

- 5.136 At the instant shown, θ =45 deg and the plate ABC has a counterclockwise angular velocity of 20 rad/s and a clockwise angular acceleration of 100 rad/s².
 - Determine:
 - a) the magnitude of the velocity of the piston attached to C,
 - b) the magnitude of the acceleration of the piston attached to \boldsymbol{C}

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



Relative Acceleration Page 1 of 1