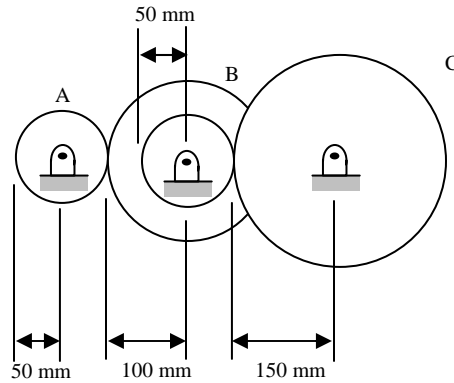


Homework (LE 10)

Problem 10.1

A gear reduction system consists of three gears A , B , and C . Gear A starts from rest at time $t = 0$ and rotates clockwise with constant angular acceleration. Knowing that the angular velocity of gear A is 600 rpm at time $t = 2$ s, determine (a) the angular accelerations of gears B and C , (b) the accelerations of the points on gears B and C which are in contact when $t = 0.5$ s.



Problem 10.2

Do problem 4.3 in the text.