$AP = 1.09$

$L_3 = 0.356$

A

B

P

$L_2 = 0.785$

$L_4 = 0.950$

$L_1 = 0.544$

O_2 O_4

FIGURE P6-12

Problem 6-49

[†]6-49   Figure P6-12 shows a linkage and its coupler curve. Write a computer program or use an equation solver to calculate and plot the magnitude and direction of the velocity of the coupler point P at 2° increments of crank angle for $\omega_2 = 20$ rpm over the maximum range of motion possible. Check your result with program FOURBAR.

[†] These problems are suited to solution using *Mathcad, Matlab,* or *TKSolver* equation solver programs.