



**FIGURE P6-14**

Problem 6-51

†6-51 Figure P6-14 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  $2^\circ$  increments of crank angle for  $\omega_2 = 80$  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.