

**FIGURE P7-12****Problem 7-42**

- \*7-42 Figure P7-12 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 acceleration of the coupler point  $P$  at  $2^\circ$  increments of crank angle for  $\omega_2 = 20$  rpm over the maximum range of motion possible. Check your result with program FOURBAR.

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\* Answers in Appendix F.