



$L_2 = 1.00 \text{ in}$

$L_4 = 4.76$

$L_5 = 4.55$

$\theta_2 = 99^\circ$

$O_4O_2 = 1.69 @ 15.5^\circ$

7-53 Figure P7-23 shows a quick-return mechanism with dimensions. Use a graphical method to calculate the accelerations of points *B*, *C*, and *E* for the position shown.  $\omega_2 = 10 \text{ rad/sec}$ .

†7-54 Figure P7-23 shows a quick-return mechanism with dimensions. Use an analytical method to calculate the accelerations of points *B*, *C*, and *E* for one revolution of the input link.  $\omega_2 = 10 \text{ rad/sec}$ .

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