$L_1 = 0.68$ in
$L_2 = 1.38$ in
$L_3 = 1.22$ in
$L_4 = 1.62$ in

ω_2

2

3

4

FIGURE P7-21

Problem 7-51 *From P. H. Hill and W. P. Rule. (1960). Mechanisms: Analysis and Design*

[†]7-51   Figure P7-21 shows a drag link mechanism with dimensions. Write the necessary equations and solve them to calculate the angular acceleration of link 4 for an input of ω_2 = 1 rad/sec. Comment on uses for this mechanism.

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