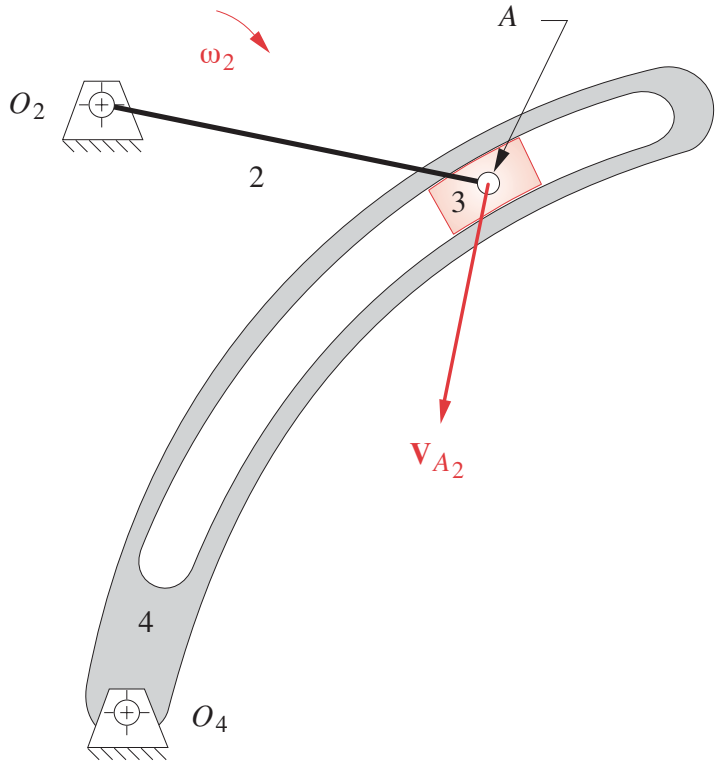

FIGURE P6-24

Problem 6-61 *From P. H. Hill and W. P. Rule. (1960). Mechanisms: Analysis and Design, with permission*

6-61 Figure P6-24 shows an inverted slider-crank mechanism. Link 2 is 2.5 in long. The distance O_4A is 4.1 in and O_2O_4 is 3.9 in. Find ω_2, ω_3, ω_4, V_{A4}, $\mathbf{V}_{trans}$, and $\mathbf{V}_{slip}$ for the position shown with $V_{A2} = 20$ in/sec in the direction shown.