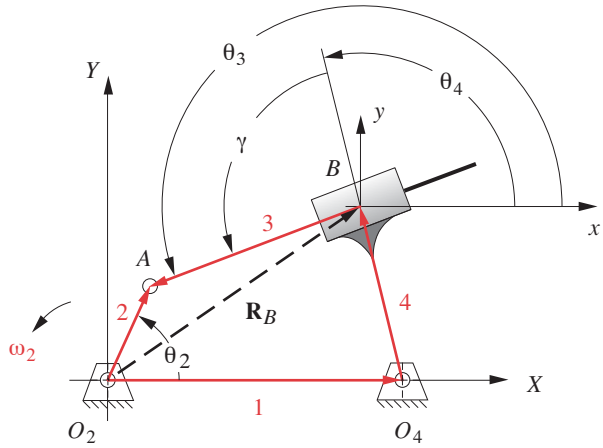

FIGURE P6-3

Configuration and terminology for Problems 6-8 to 6-9

*6-8 The general linkage configuration and terminology for an inverted fourbar slider-crank linkage are shown in Figure P6-3. The link lengths and the values of θ_2, ω_2, and γ are defined in Table P6-3. *For the row(s) assigned*, draw the linkage to scale and find the velocities of points *A* and *B* and velocity of slip at the sliding joint using a graphical method.

*†6-9 Repeat Problem 6-8 using an analytical method. Draw the linkage to scale and label it before setting up the equations.

* Answers in Appendix F.

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

TABLE P6-3 Data for Problems 6-8 to 6-9

Row	Link 1	Link 2	Link 4	γ	θ_2	ω_2
a	6	2	4	90	30	10
b	7	9	3	75	85	–15
c	3	10	6	45	45	24
d	8	5	3	60	25	–50
e	8	4	2	30	75	–45
f	5	8	8	90	150	100