CHAPTER 7 — ACCELERATION ANALYSIS

7-3 and **7-4**   See Table S7-1 and the file P07-04*row*.4br.

7-5 and **7-6**   See Table S7-2.

7-7 and **7-8**   See Table S7-3.
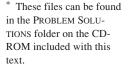
7-9   See Table S7-4.

7-12   276.5 in/sec^2.

7-21 A_A = 26.26 m/sec^2 @ 211.1°, A_B = 8.328 m/sec^2 @ –13.9°.

7-24 A_A = 16 m/sec^2 @ 237.6°, A_B = 12.01 m/sec^2 @ 207.4°, α_4 = 92 rad/sec^2.

7-28 A_A = 39.38 m/sec^2 @ –129°, A_B = 39.7 m/sec^2 @ –90°.

7-39   Open the file P07-39.4br in program FOURBAR to see this solution.[*]

7-40   Open the file P07-40.4br in program FOURBAR to see this solution.[*]

7-41   Open the file P07-41.4br in program FOURBAR to see this solution.[*]

7-42   Open the file P07-42.4br in program FOURBAR to see this solution.[*]

7-44   Open the file P07-44.4br in program FOURBAR to see this solution.[*]

7-56   Tipover at 19.0 to 20.3 mph; load slides at 16.2 to 19.5 mph.

CHAPTER 8 — CAM DESIGN

Most of the problems in this cam chapter are design problems with more than one correct solution. Use program DYNACAM to check your solution obtained with *Mathcad* or *TKSolver* and also to explore various solutions and compare them to find the best one for the constraints given in each problem.

[*] These files can be found in the PROBLEM SOLUTIONS folder on the CD-ROM included with this text.

8-1   See Figure S8-1.

8-2   See Figure S8-1.

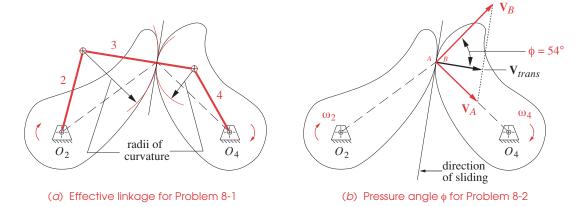(*a*) Effective linkage for Problem 8-1   (*b*) Pressure angle φ for Problem 8-2

FIGURE S8-1

Solutions to Problems 8-1 and 8-2

F