

ME 115(b): Problem Set #5
(Due May 14, 2014)

Problem 1: Problem 5(a) in Chapt. 5 of MLS.

Problem 2: Problem 7 in Chapt. 5 of MLS.

Problem 3: Problem 8(c) in Chapt. 5 of MLS.

Problem 4: Problem 9 in Chapt. 5 of MLS.

Problem 5: For the grasp pictured below, assume a point contact with friction model, where $\mu = \tan 30^\circ$.

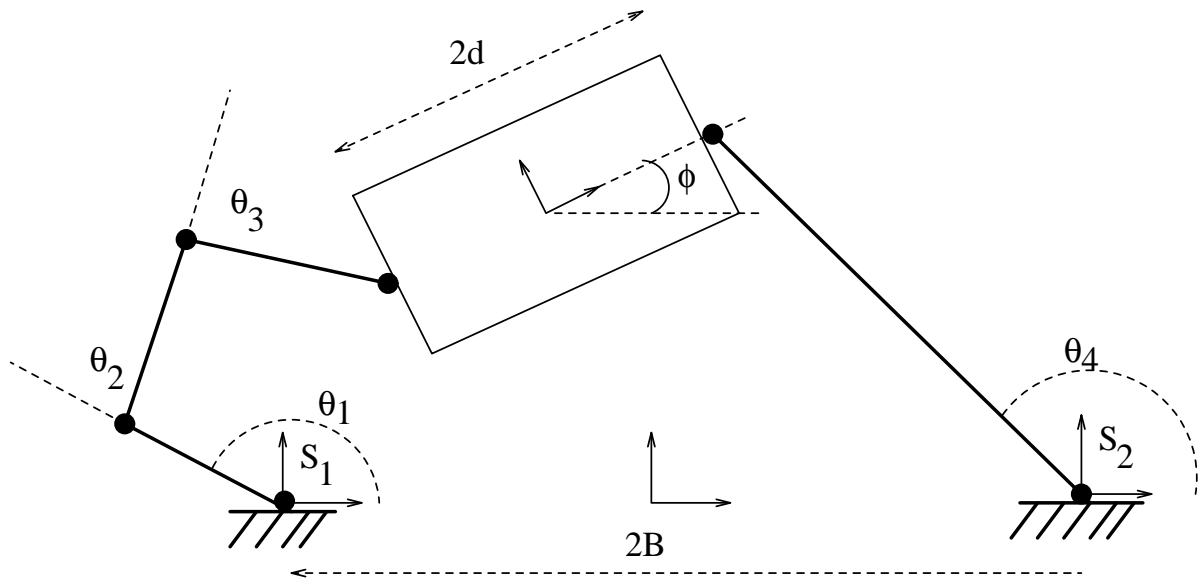


Figure 1: Two Fingred Grasp

1. Is this grasp Force Closure?
2. Calculate the grasp constraint equations. Is this grasp manipulable?