

Massachusetts Institute of Technology

Physics 8.09 Fall 2006

Homework 9

due Wednesday, November 29, 2006 at 12:30 PM

Suggested Reading

Goldstein Chapter 5

Problems

Problem 9.1 (25 pts)

Goldstein, Derivation 6, page 233. Ignore the last sentence of question c) (Poinsot construction)

Problem 9.2 (25 pts)

Goldstein, Exercise 18, page 235

Problem 9.3 (25 pts)

Goldstein, Exercise 20, page 236

Problem 9.4 (25 pts)

Goldstein, Exercise 29, page 237