

Physics 601
Dr. Dragt
Fall 2002

Reading Assignment #7:

1. Dragt
 - (a) Section 3.7 (Lie Algebraic Properties) of Dragt Chapter 3 (Symplectic Matrices) through Equation (3.7.19).
 - (b) Get caught up on past reading assignments.
2. Goldstein
 - (a) Get caught up on past reading assignments.

Problem Set 7 due Monday, 11/04/02

62. For the bungee cord problem on Hourly Exam 1, find the period T for the motion of the mass right after it is released and assuming no dissipation. Use the value $g = 9.8 \text{ m/s}^2$.
63. D3.7.4 [Problem 7.4 of Dragt Chapter 3 (Symplectic Matrices)].
64. D3.7.7 through Equation (3.7.96).
65. G3.7 (Problem 7 of Chapter 3 of Goldstein et al.).
66. G3.11
67. G3.21
68. G3.31
69. G4.10