

Problem Set 3

Goldstein et al. Problems (I use 3rd edition)

1. Ch. 5, Prob. 28 (Charged symmetric top)
2. Ch. 6, prob. 6 (a) (five atom linear molecule)
3. Ch. 8, prob. 26 (a particle with two springs)
4. Ch. 9, prob. 6 (Checking canonical transformation and generating function $F_3 = -(e^Q - 1)^2 \tan p$)