

Caltech – Ph106b – Winter 2002

Problem Set 2

due 1-22-2002

1. (naive approach to parametric resonance) H&F 10-9.
2. (Jupiter's effect on asteroids) H&F 10-11.
3. (practice with Poisson brackets)
 - (a) H&F 6-5.
 - (b) H&F 6-15.
4. (practice with action-angle variables)
 - (a) H&F 6-18.
 - (b) H&F 6-20.