

Physics 106B: Classical Mechanics

Homework 4: Nonintegrable Systems and Chaos

DUE: Thursday, February 1 2001

Remember: Late homework will be granted 50% credit UNLESS PRIOR ARRANGEMENTS ARE MADE WITH ME OR A TA. If you have an extension, please indicate who granted it clearly on the top of the paper OR YOU WILL NOT GET FULL CREDIT.

Reading Assignment: Hand and Finch Chapter 11

1. Choose any of the student projects in the back of Chapter 11 of Hand and Finch. You make work in groups of 1 – 5 people to do the calculations, but you must individually write up the results.

Presentation Problem 4 and 5- Assigned to group 4 and 5

For class THURSDAY, FEBRUARY 1 (NOTE: different date).

Groups 4 and 5 are to present the results of their student projects. These groups must coordinate so as to not choose the same project! You may use the overhead projector, or if you would like to show results of simulations on the computer, please see me first (by Wednesday morning).