Advanced Classical Mechanics

Reading Assignment #6

(due: Wednesday, September 8, 1 pm)

Read: 12.1 – 12.4

1. **Linear Differential Equation:** Define what “linear differential equation” means (and therefore what “nonlinear DE” means).

2. **Nonlinear Mechanics:** What are the main differences between the solutions of linear and nonlinear differential equations.

3. **Comments:** What of this reading and the last class did you find most difficult and/or what did you find most interesting? What would you like to discuss in class?