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Physics 566 Problem Set #6
Reading:  CP Chapters 8
Available March 19th
Due       March 28th
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Please follow the guidance of last week and, like before, please turn in (by attachment in the Sakai assignment) both a PDF exported version of the notebook and the .ipynb file itself. If you need to work out new equations etc for the problem please use LaTeX formatting to show what you did in your answers.

Please spend time working on your projects this week.

(1) **8.1** Low pass filter

(2) **8.2** Rabbits and Foxes!

(3) **8.3** The Lorenz equation and chaos

(4) **8.7** Trajectory with air resistance

(5) **8.16 a and b** The three-body problem. After you make the plot to 2 seconds, you might want to make if go to 10 seconds instead (it is more interesting!) [worth two problems]