FINAL PROJECT HINTS

SPRING SEMESTER 2017

http://www.phys.uconn.edu/~rozman/Courses/P2400_17S/

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1. In Step 5 of the project you are asked to solve Eq. 1 of the project description numerically and plot your solution $x(t)$. For your convenience, Eq. 1 is as following:

$$\frac{d^2 x}{dt^2} + \epsilon (x^2 - x - 2) \frac{dx}{dt} + x = 0.$$  (1)

If you chose to use Mathematica, the commands to solve and plot are similar to the ones you used in HW8.

Regardless of the method of the numerical solution, your plot is supposed to look similar to the one in the top part of Fig. 1 (see the project description).