Physics 102 - Quiz 3 3/7/2017

Write a program using Euler's method to simulate the motion of a cubic oscillator $F = -kx^3$. Assume that the initial velocity is zero and that the initial displacement is $x_0 = A$, and that k/m = 3.

- (a) Find the period of oscillation in the case that A = 1.
- (b) Find the period of oscillation in the case that A=2.

Be sure the tell me how you used your code to answer the questions.

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