

Phys 410
Fall 2013
Lecture #25 Summary
26 November, 2013

We had a discussion of nonlinear mechanics. The discussion focused on the driven damped pendulum, and we introduced a number of new concepts, including attractors, harmonics, sub-harmonics, period doubling bifurcations, sensitivity to initial conditions, the Lyapunov exponent, period-doubling cascade, chaos. The discussion is summarized on the [class web site](#) in the file “Nonlinear Mechanics” under Lecture 25.