

Pendulum LAB

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Welcome to the Pendulum Lab! This is a virtual laboratory where you can do hands-on experiments at rigid pendula. Together with the material presented in the lecture room, you can learn basic issues like harmonic oscillator and resonance but also advanced topics like parametric resonance, nonlinear dynamics, and chaos. Playing with the pendula in the lab, you only need curiosity and a browser which can run Java applets. However, to understand the mini-lecture, it is helpful to have some basic knowledge of calculus.

The Lab

The Lecture Room