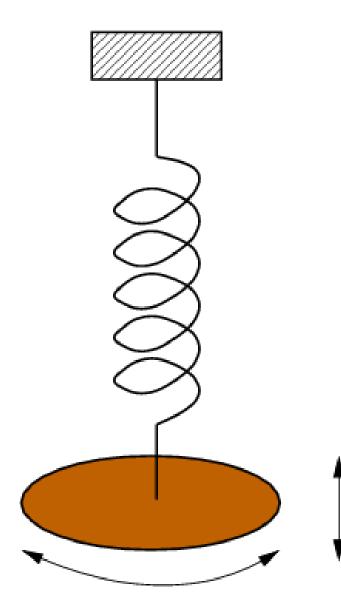
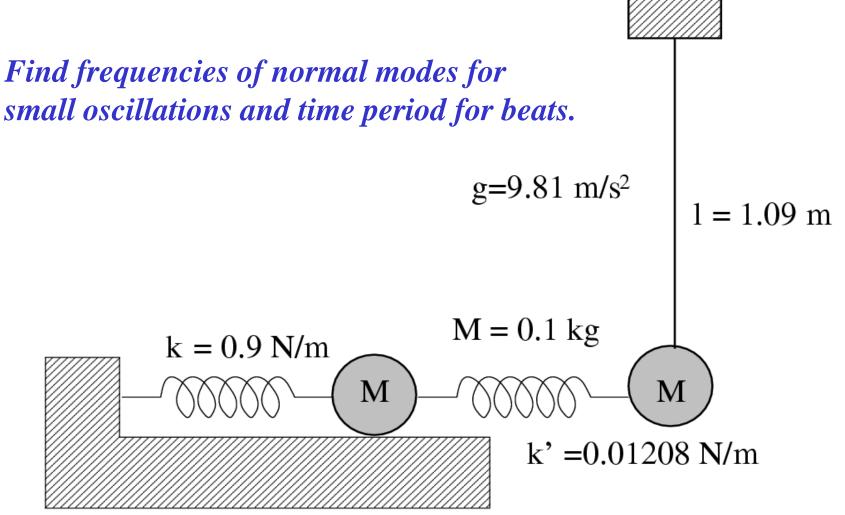
The Wilberforce pendulum



Problem:

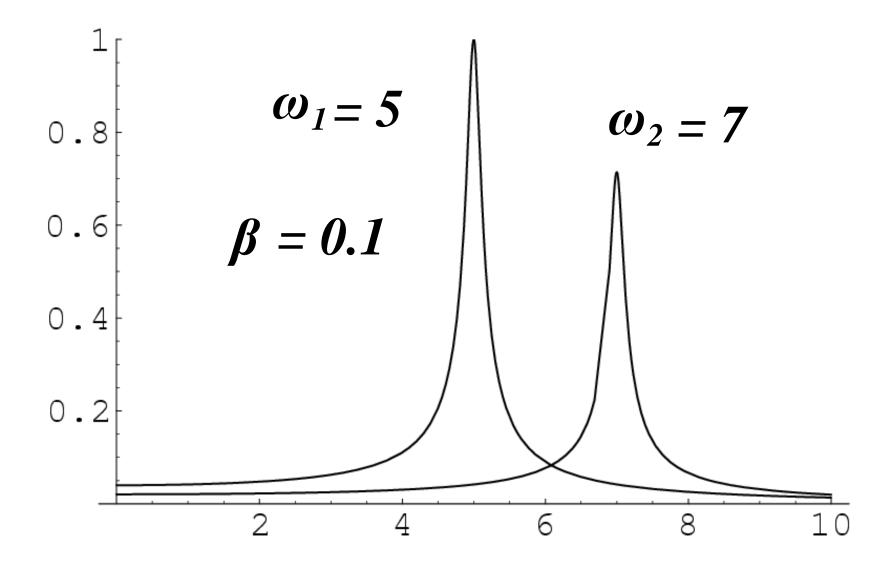


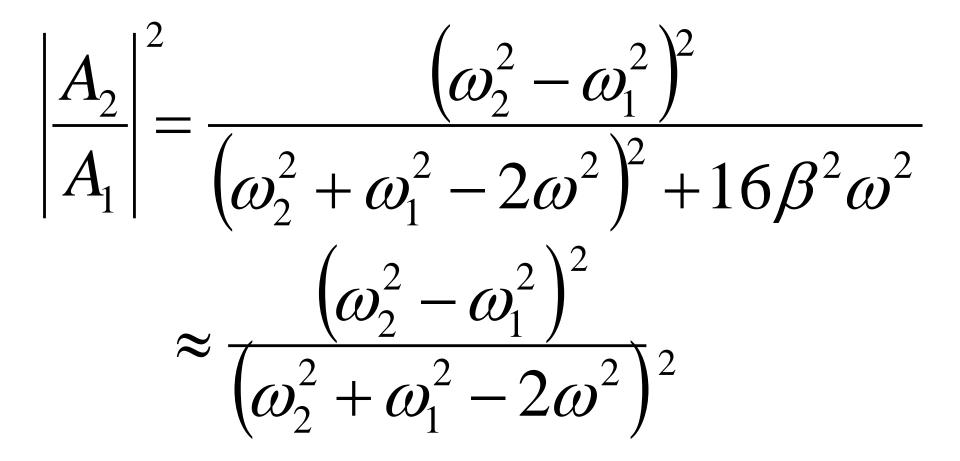
Problem:

Damped forced coupled oscillations

A force $F_0 Cos \omega t$ is applied on one of the masses. Write down the equations of motion and try to solve the system qualitatively using your knowledge of forced oscillations and coupled oscillations.

Amplitude resonance for normal modes





Amplitude ratio: $|A_2/A_1|$ Filter