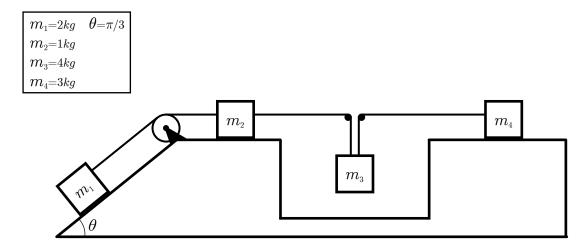
PH131 Final Exam Review

Rotational Dynamics

This is the same as our review for Exam 2, however all the pulleys have mass.



Simple Harmonic Motion of a Pendulum (Small Angle Approximation)

Given:

$$L = 2$$

$$\phi = \frac{\pi}{3}$$

$$\frac{d\theta}{dt}(0) = 3$$

Find: A_{max} , ω , $\frac{d\theta}{dt_{max}}$, α_{max} , and describe the motion at t = 2.5s.