

# solving modal analysis problems symbolically using Mathematica

Nasser M. Abbasi

Feb 23, 2009

Compiled on January 28, 2024 at 9:56pm

This note shows how to use Mathematica to solve the three pendulum/spring problems symbolically.

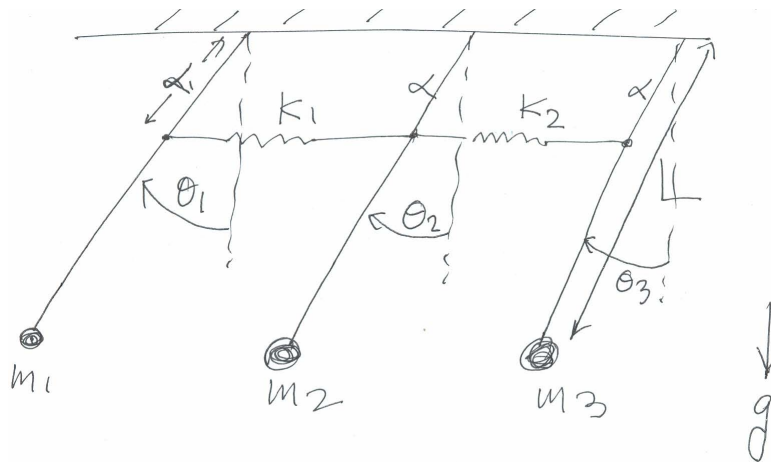


Figure 1: the Problem to solve

I wrote an interactive Manipulate for this here which can be downloaded and run using the Wolfram free Player or inside Mathematica.

1. HTML version of Mathematica notebook
2. PDF version of Mathematica notebook
3. notebook