Joon Ki Hong

Pinball Project

MATH2605

ReadMe:

1. Install Python 2.7.1 using either link based on which OS being used.

a. (<http://www.python.org/ftp/python/2.7.1/python-2.7.1.msi>) [Windows]

b. (http://www.python.org/ftp/python/2.7.1/python-2.7.1-macosx10.3.dmg)[MAC]

1. Install vPython 2.7 using either link based on which OS being used.
   1. (<http://vpython.org/contents/download/VPython-Mac-Py2.7-5.71.zip>) [MAC]
   2. (<http://vpython.org/contents/download/VPython-Win-Py2.7-5.71.exe>) [Windows]
2. Open vIDLE from either the Start Menu or Desktop shortcut (Windows) or your applications folder (MAC).
3. Click File🡪Open🡪Pinball.py (Once extracted from the given archive)
4. Depending on whether you want to test with random angles or systematic, you need to comment out the corresponding lines for it to work. These lines are commented as (#Random Angle generator, #Random velocity, #Systematic velocity, #Systematic Angle). To run with random angles, please comment out both systematic velocity and systematic angle by placing a # before the line. By default the Systematic lines are commented out. To switch to Systematic angles simply remove the # symbols and comment out the corresponding Random lines.
5. To run click Run🡪Run Module. The simulation will run and output three arrays.
6. Each array is labeled.