



Spring-2018 Phys101

Exercise 1

Please check MaterningPhysics for other problems

Due date: 18 Feb. 2018

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Note: Problems and questions refer to University Physics Young & Freedman 14th edition

Discussion questions

1- Q1.1

2- Q1.24

3- Q1.15

Exercises

4- 1.3

5- Consider a simple pendulum consisting of a massive bob initially suspended from a string of length l . Using dimensional analysis, find a tentative guess for the relation between the period of a pendulum T (the time duration of one complete cycle), and other relevant physical parameters of the problem that define the motion of the pendulum.

6-1.16

7-1.20

8-1.39

9- 1.54(a)