Zewail City of Science and Technology

PEU Program, Fall 2018-19

PEU 450: Computational Physics

Homework 13

Due date: Thursday, Dec 19



- 1. (20 points) Obtain figures 10.11 10.12.
- 2. (20 points) Obtain figures 10.14 16.
- 3. (10 points) Problem 10.9.
- 4. (10 points) Use the matrix method to obtain the lowest two energy states of <u>the hydrogen atom</u> and <u>the linear harmonic oscillator.</u>