

Differential Equations – Homework 35

Professor:

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Homework 35

This is from Section 2.4 in the book.

Directions: Do the following book problems

Do the Introduction to Numerical Methods Worksheet

Section 2.4 problems 10, 12, 15. For these problems you can either program your calculator, use a spreadsheet, or use Python.

I would like you to **hand in information about the final solution value, A graph (or sketch) that shows how your solutions change as h gets smaller, and a discussion of error. Since you don't know the real answer you must estimate the error.**

Other Notes:

1. These problems really are simpler if you do them on Python, but all of them are doable with a calculator. Be careful about ROUNDING if using a calculator.