

Numerical Solution of Differential Equations Homework #4

due 2023 MAY 08 10:00 a.m.

1 Assignments

All exercises in Sections 11.4-10.6.

We will grade 14 problems, each of which weighs 8 points.

Caution:

- To get full credit, *you must write down sufficient intermediate steps*, only giving the final answer earns you no credit!
- Please make sure that your handwriting is recognizable, otherwise you only get partial credit for the recognizable part.

2 Extra credits

Additional 10% credits will be given to you if you typeset your solutions in L^AT_EX. You are welcome to use the L^AT_EX template available in the course group on DingTalk. You can also get partial extra credit for typesetting solutions of *some* problems.

Note: If you choose to typeset your solutions in L^AT_EX, you still need to turn in a hard copy in class. In addition, please upload your latex source (.tex) and supporting files in a single zip file (**format:** YourName_Homework4.zip) to the course email NumPDEs@163.com.