EML3041 Computational Methods

What to Do In-Class Worksheet

Fall 2023

Week Seven: Oct 2 – Oct 6

Chapters

05.00 Physical Problems 05.01 Background of Interpolation 05.02 Direct Method of Interpolation

Sequence of Work in Class for Tuesday

- 1. Interpolation Applications
- 2. Do in-class handout questions by yourself. Give justification and show work.
- 3. Redo in-class handout questions with your group of 2. Revise justification and solutions, if needed, and show your work.
- 4. Submit the asked question asked to be submitted at the end of the class

Sequence of Work in Class for Thursday

- 1. Simulations of higher-order interpolation.
- 2. Introduction to Spline Interpolation
- 3. Introduction to Length of Curves

Sequence of Work in Class for Friday

1. To be decided.

What if I Finish the Work for Day?

- 1. Solve the free response questions from all chapters 05.XX.
- 2. Solve the problem-set questions at the end of textbook chapters 05.01, 05.02.
- 3. Finish any leftover work from previous weeks.



The QR code is the link to the textbook – use it for reference and solving more problems if finished. Alternatively, use a short link if you wish: <u>https://bit.ly/3RMpaAe</u>