EML3041 Computational Methods

What to Do In-Class Worksheet

Fall 2023

Week Two: August 28 – September 1

Syllabus

01.04 Binary Representation of Numbers
01.05 Floating Point Binary Representation of Numbers
01.07 Taylor Series Revisited

Sequence of Work in Class for Tuesday

1. Answer conceptual questions
2. Solve free response questions from 01.04-01.05 handed out
3. Listen to the lecture on biased exponents
4. Submit the question requested from free-response questions.

Sequence of Work in Class for Thursday

1. Listen to the minireview on Taylor series
2. Answer conceptual questions
3. Solve Free Response Questions from Chapter 01.04-01.07
4. Listen to the Lecture on Week 3 items on Numerical Differentiation
5. Submit the question requested from free-response questions.

Sequence of Work in Class for Friday

1. Listen to the Lecture on Week 3 items on Numerical Differentiation
2. Programming exercises from last week

What if I Have Finished the Work for Day?

1. Solve all the Free Response Questions given till now.
2. Solve the suggested multiple-choice questions at the end of textbook chapters of 01.02, 01.03, 01.04, 01.05, 01.07.
3. Solve the suggested problem-set questions at the end of textbook chapters of 01.02, 01.03, 01.04, 01.05, 01.07.

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