

Numerical Analysis - Homework 9

Professor:

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Office Hours:

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Homework Problems

See if you can code up the Aitken's Method on your own. See how far you can get.

You should attempt all these problems before class, but we will work on them in class.

- Chapter 3.4 problem 14
- Chapter 3.5 problem 1
- Either investigate the given applied problem (Rootfinding in Economics) OR find your own interesting application that uses rootfinding. For example: Orbital Motion, Quantum Mechanics, Optimization, etc. See if you can write code to solve for the roots of the problem and explain your results for a few example parameters. BEWARE, if your code for the problem you found does not seem to give reasonable results you may have to consider whether or not you have stumbled upon an Ill-Behaving Rootfinding Problem.