Hints exercise 4

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March 17, 2020

Pen and Paper

Problem 1

- Instead of calculating the whole function continously the computer can only calculate points. Therefore formulate functions that return a functionvalue of a Lagrange Polynomial or the whole interpolating function respectively.

Problem 2

- Calculate the Polynomial with the presented formulas and keep in mind how many points will lead to what order Polynomial

Problem 3

- Think about the definition of the Least squares error and the influence of noise to the data.

Coding

Problem 1

- See P & P 1