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Prof. Dr. Karsten Urban

M.Sc. Lewin Ernst

High Performance Computing II

Institute of Numerical Mathematics

Summer Term 2022

Guidelines for the Project

- Programming languages:

    i) For the implementation use C (or C++).

    ii) For visualization use MATLAB, Gnuplot, TikZ or Mathcha.

    iii) For the documentation use LaTeX.

- Source code:

    i) Efficiency of your implementations will be evaluated.

    ii) Readability of your code will be evaluated. Comment your code!

    iii) Validate your code. Test your implementations and present the results.

- Presentation:

    i) The presentation will be in presence.

    ii) Presentation and discussion of the projects will be within exercise session early in june.

    iii) Presentation should last 20 min (+10 min discussion).

- Documentation:

    i) The written documentation of your projects should contain around 2-4 pages and should be uploaded on moodle. Your code should be attached.

    ii) The chosen language can be English or German.

- A Template for your LaTex repot and presentation can be found in the material.

- If any help is needed, it is recommended to ask questions by Email (`lewin.ernst@uni-ulm.de`) or ask for an appointment. Please be mindful to describe your problems as detailed as possible and precisely.

- Divide the tasks in your group and make clear who did which part (Of course not everything needs to be divided).