

Praktikum Wissenschaftliches Rechnen (CFD, Final Project)

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1 The Topic

2 Implementation

3 Problems, current state and future work

References

- [1] Griebel, M., Dornsheifer, T., Neunhoeffler, T.: *Numerical Simulation in Fluid Dynamics: A Practical Introduction*. SIAM, **1998**.
- [2] Hirt, C. W., Nichols, B. D.: *Volume of Fluid Method for the Dynamics of Free Boundaries*. Journal of Computational Physics **39** (1981).
- [3] Hirt, C. W., Nichols, B. D., Hotchkiss, R. S.: *SOLA-VOF: A solution Algorithm for Transient Fluid Flow with Multiple Free Boundaries*. LASL, **1980**.