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9. januar 2017

Introduction

- FSI background

Mathematical theory

- Navier-Stokes
- Structure equations
- ALE and mappings
- Boundary/Interface conditions
- Robin-Neumann

Numerics with FEniCS

- Finite element method
- What spaces to use and why
- FSI-CODE ??

Benchmark

- Taylor Green
- Hron - Turek. Defintion, Results and Discussion
- Pressure wave tube??

Conclussion

- Conclusion
- Discussion
- Further work