Contents

- Introduction
- Equations of motion of the fluid phase
- Equations of motion of the dispersed phase (PSI-cell model)
- The solution algorithm
- Domain decomposition for the fluid phase
- $\bullet\,$ The 3 parallelization methods for the Lagrangian approach
- Formulation of test cases, Comparison of the 3 methods
- Results and discussion

Parallel CFD '96

Comparison of Parallelization Methods for Lagrangian Calculations of Disperse Multiphase Flows Dr. Th. Frank, Technical University Chemnitz–Zwickau, Germany



 $\mathbf{2}$