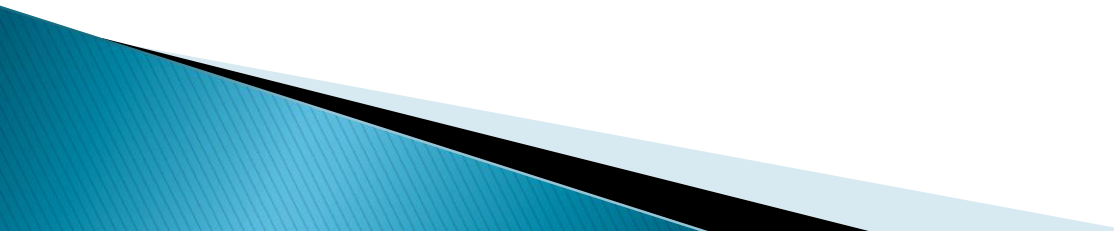


CURRICULUM VITAE

Manuel Baumann

November 28th, 2012

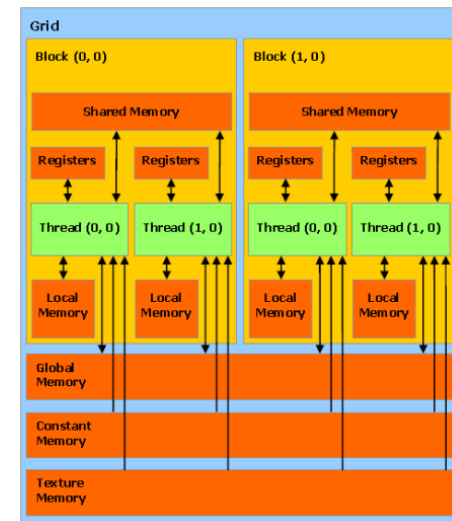
Academic Background

- ▶ Born on October 4th, 1986 in Berlin (Germany)
 - ▶ 2007 – 2011: Studies of Scientific Engineering at TU Berlin
 - ▶ 2008 – 2011: Studies of Pure Mathematics at TU Berlin
 - ▶ 2009 – 2011: Working as a student research assistant at TU Berlin
 - ▶ Since Aug 2011: Erasmus Mundus Master's Program COSSE at KTH Stockholm and TU Delft
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Bachelor Studies in Scientific Engineering at TU Berlin



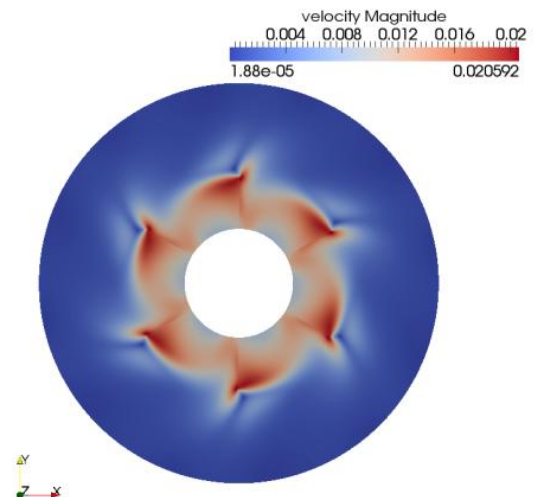
- ▶ Sound knowledge in different disciplines of Engineering Science, such as
 - Mechanics
 - Fluid Dynamics
 - Electrical Engineering
- ▶ Specialization in CFD
- ▶ Bachelor thesis: *Numerical Solution of the Vorticity Transport Equation on Nvidia GPUs*



Bachelor Studies in Mathematics



- ▶ Specialization in Functional Analysis and Numerical Linear Algebra
- ▶ First Price at *Dies Mathematicus* of TU Berlin for Best Bachelor Degree in Mathematics
- ▶ Bachelor Thesis: *Modelling and Simulation of Dispersions in Turbulent Flows*



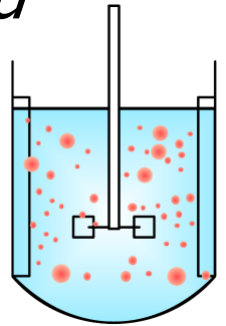
Master Studies: COSSE

- ▶ Erasmus Mundus scholarship, category B
- ▶ 1st year at KTH Stockholm:
 - ▶ Numerical Analysis
 - ▶ Parallel Programming
- ▶ 2nd year at TU Delft:
 - ▶ Stochastic Processes
 - ▶ Systems Theory
- ▶ Master Thesis (Outline): *Model Order Reduction for Nonlinear Dynamical Systems*



Professional Experience

- ▶ 2 years working as a student research assistant in in the working group *Modelling, Numerics and Differential Equations* at TU Berlin
 - Simulation and Control of fluid/fluid dispersions
 - Participant of the 4th International Conference on Population Balance Modelling, MPI Magdeburg
- ▶ 3 months internship at DLR Braunschweig
 - Coupled flow–structure simulations with MPI
- ▶ 2 years leading the student working group *Development Politics* of the Friedrich Ebert Foundation



What else do I like...

- ▶ Skiing
- ▶ Tennis
- ▶ Politics

