

# Curriculum Vitae

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Address: Žitná 25, 11567, Praha, Czech Republic

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Birth: Apr.1987, Anhui

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## Education

2012.03 – 2015.03 *PhD* Supervisor: Maria Lukacova  
Institute of Mathematics, University of Mainz. Mainz, Germany  
Institute of Mathematics, Waseda University. Tokyo, Japan(09.2013-03.2014)  
*Thesis: Numerical simulation on some viscoelastic fluids*

2008.09 – 2011.07 *Master* Supervisor: Guiping Zhao  
Institute of Applied Physics and Computational Mathematics. Beijing, China  
*Thesis: Gas kinetic scheme for compressible two-phase flow containing non-conservative terms*

2004.09 – 2008.06 *Bachelor*  
Modern Mechanics, University of Science and Technology of China. Hefei, China

## Academic experience

07.2015 – Postdoc, Institute of Mathematics, Czech Academy of Science

03.2015 – 06.2015 Postdoc, Institute of Mathematics, University of Mainz

## Publications

B. She and G. Zhao. A gas-kinetic scheme for compressible two-phase flow model containing non-conservative products, Chinese Journal of Computational Physics 29(1), 2012, 51–57.

M. Lukáčová-Medvid'ová, H. Mizerová, B. She and J. Stebel. Error analysis of the finite element and finite volume methods for some viscoelastic fluids, J. Numer. Math. 24(2), 2016, 105–123.

M. Lukáčová-Medvid'ová, H. Notsu, B. She. Energy dissipative characteristic schemes for the diffusive Oldroyd-B viscoelastic fluid, Int. J. Numer. Methods Fluids. 81(9), 2016, 523–557.

## Preprints

E. Feireisl, M. Lukáčová-Medvid'ová, Š. Nečasová, A. Novotný and B. She. Asymptotic preserving error estimates for numerical solutions of compressible Navier-Stokes equations in the low Mach number regime, IM-CAS preprint, 2016.

R. Hošek, B. She. A finite difference scheme for compressible viscous isentropic flow in multi-dimension: stability and consistency, IM-CAS preprint, 2017.

R. Hošek, B. She. A convergent stabilized finite volume-finite element method for the compressible Navier-Stokes-Fourier system, in preparation.