

Curriculum Vitae

General information

First Name **Radim**
Surname **Hošek**
Born 8th October 1987, Jindřichův Hradec, Czech Republic
Nationality Czech
Gender Male
Residence Prague, Czech Republic



Education

2013 – (2017 expected) Ph.D. in Mathematics, University of West Bohemia, Plzen + Institute of Mathematics, Czech Academy of Sciences, Prague
topic: Mathematical Analysis of Heat of Compressible Viscous and Heat Conducting Fluids
supervisor: Eduard Feireisl

2010 – 2013 Master in Mathematics, UWB, Plzen
thesis: „Analysis of Bistable Equation and Its Generalizations“
supervisor: Pavel Drábek

2007 – 2010 Bachelor in Mathematics for Science, UWB, Plzen
thesis: „Nonlinear Boundary-Value Problems of Fučík Type“
supervisor: Gabriela Holubová

Skills and interests

Nonlinear Analysis, Fluid Dynamics, Numerical Schemes, Geometry of Computational Mesh in 3D
Matlab, Java, html, OCAD

Language Skills

Czech (native)	English (fluent)	Slovenian (good command)
German (good command)	Russian (working knowledge)	Slovak (complete understanding)

Other information

Active orienteering runner, sports events organizer; driving licence B

Publications

[DH] P. Drábek, R.H.: Properties of solution diagrams for bistable equations. *EJDE*. Vol. 2015 (2015), No. 156, pp. 1–19, 2015.

[H] R.H.: Face-to-face partition of 3D space with identical well-centered tetrahedra. *Appl. Math.* 60(6):637–651, 2015.

Preprints (available at math.cas.cz)

[FHM] E. Feireisl, R.H., M. Michálek: A convergent numerical method for the full Navier-Stokes-Fourier system in smooth physical domains.

[FHMN] E. Feireisl, R.H., D. Maltese, A. Novotny: A convergent numerical method for the full Navier-Stokes-Fourier system in smooth physical domains.

[FHMN2] E. Feireisl, R.H., D. Maltese, A. Novotny: Convergence and error estimates for bounded numerical solutions of the barotropic Navier-Stokes system.

Foreign stays

02/2015	University of Toulon, France (2 week stay)
08/2014	National Technical University Trondheim, Norway (3 week stay)
09/2011 – 06/2012	Faculty of Mathematics and Physics, University of Ljubljana, Slovenia (10 months, Erasmus stay)

Educational Events and schools

07/2015	CIME Course: Mathematical Thermodynamics of Complex Fluids, Cetraro, Italy
06/2015	Young Researchers in Fluid Dynamics, Darmstadt, Germany
05/2015	Mathematical Theory In Fluid Mechanics, Kácov, Czech Republic
01/2015	Minicourse on Navier-Stokes Initial-Boundary Value Problem, Brescia, Italy
11/2014	Oberwolfach Seminar: Analysis of Compressible Navier Stokes Equations and Related Topics, Oberwolfach, Germany

Conferences

09/2014	SDEDE, Homburg, Germany
09/2014	MORE 2014, Liblice, Czech Republic
11/2013	MORE 2013, Liblice, Czech Republic
08/2013	Equadiff 2013, Prague, Czech Republic