

CV - Vojtěch Pravda

E-mail: pravda@math.cas.cz

Date and Place of Birth: September 2, 1971 in Prague, Czech Republic

Education:

1990-1995: Charles University, Faculty of Mathematics and Physics, Prague, Master degree (1995), *Summa cum laude*

1995-1999: Charles University, Faculty of Mathematics and Physics, Prague, Ph.D. degree (1999)

Professional Appointments:

1999-now: Researcher at the Institute of Mathematics of the Academy of Sciences of the Czech Republic

Awards:

Josef Hlávka Prize (2004)

Publications:

- Author of 49 research papers (31 in international journals, 18 in conference proceedings)
- Inspire database: 41 records, over 1100 citations, h-index 17
- Web of Science database: 35 records, 678 citations (without self-citations), h-index 16
- Paper: V. Pravda, A. Pravdová, M. Ortaggio, *Type D Einstein spacetimes in higher dimensions*, *Class. Quant. Grav.* **24** (2007) 4407-4428 was elected by the Editorial Board of *Class. Quant. Grav.* to one of highlights of the years 2007-2008
- Paper: A. Pravdová, V. Pravda, *Newman-Penrose formalism in higher dimensions: vacuum spacetimes with a non-twisting geodesic multiple Weyl aligned null direction*, *Class. Quant. Grav.* **25** (2008), 235008 was elected by the Editorial Board of *Class. Quantum Grav.* to one of highlights of the years 2008-2009

Selected invited lectures:

- Canadian Mathematical Society Summer Meeting, Halifax, 2004 (invited talk in a parallel session)
- 12th Marcell Grossmann Meeting, Berlin, 2006 (invited review lecture in a parallel session)
- 13th Marcell Grossmann Meeting, Paris, 2009 (invited review lecture in a parallel session)
- 19th International Conference on General Relativity and Gravitation, Mexico City, 2010 (invited talk in a parallel session)
- 14th Marcell Grossmann Meeting, Stockholm, 2012 (invited talk in a parallel session)

Research visits:

Max-Planck Institute (Potsdam, Germany, 1997)

Friedrich Schiller University (Jena, Germany, 1998)

University of Texas (Austin, USA, 2001)

Dalhousie University (Halifax, Canada, 2002, 2003, 2004)

University of Waterloo (Canada, 2002)

University of Trento (Italy, 2006)

Cambridge University (UK, 2009, 2012)

Institute of Mathematics, Utrecht (Netherlands, 2011)

Stavanger University (Norway, 2012, 2013, 2014, 2015)

student supervision:

Matěj Kudrna (Bc. thesis, defended in 2008)

Petr Ducháček (Master thesis, defended in 2012)

Tomáš Málek (Ph.D. Thesis, defended in 2012, [arXiv:1204.0291](#))

Jan Novák, Ph.D. student, currently in his 4th year of Ph.D. studies

Tomáš Tintěra, Ph.D. student, currently in his 2nd year of Ph.D. studies

Scientific projects:

- (2014-2018) Project title: Albert Einstein Center for Gravitation and Astrophysics (GAČR Excellence Project 14-37086G), coordinator: Faculty of Mathematics and Physics, Charles University, the Czech Republic, role: principal co-investigator
- (2013-2017) Project title: Higher dimensional gravity (Research grant 13-10042S), coordinator: Institute of Mathematics of the Academy of Sciences of the Czech Republic, the Czech Republic, role: principal investigator
- (2013-2015) Project title: Algebraic classification of tensors on Lorentzian manifolds and its applications (Internal support program for projects of international cooperation M100191201), coordinator: Institute of Mathematics of the Academy of Sciences of the Czech Republic, the Czech Republic, role: principal investigator
- (2010-2012) Project title: General relativity in higher dimensions (Research grant P203/10/0749), coordinator: Institute of Mathematics of the Academy of Sciences of the Czech Republic, the Czech Republic, role: principal investigator
- (2007-2009) Project title: Solutions of the Einstein equations in higher dimensions (Junior research grant KJB 10190702), coordinator: Institute of Mathematics of the Academy of Sciences of the Czech Republic, the Czech Republic, role: team member
- (2004-2006) Project title: Curvature invariants and classification of curvature tensors (Junior research grant KJB 1019403), coordinator: Institute of Mathematics of the Academy of Sciences of the Czech Republic, the Czech Republic, role: principal investigator

Popularization

- 4 papers in the Czech journal *Pokroky matematiky, fyziky a informatiky*
- member of editorial board of *Pokroky matematiky, fyziky a informatiky*
- member of popularization council of the Academy of Sciences of the Czech Republic
- regular lectures at the annual science festival *Týden vědy a techniky*, at the open days at our institute and on various different occasions