

Martin Doležal

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Personal Information

Date of Birth: 22 March 1985

Education

- Charles University in Prague, Faculty of Mathematics and Physics** Ph.D.
Study program Mathematics, branch Mathematical Analysis 2009 - 2013
Ph.D. thesis: Applications of descriptive set theory in mathematical analysis
- Charles University in Prague, Faculty of Mathematics and Physics** Mgr.
Graduated with distinction 2007 - 2009
- Charles University in Prague, Faculty of Mathematics and Physics** Bc.
Graduated with distinction 2004 - 2007

Professional Experience

- Institute of Mathematics, The Czech Academy of Sciences** Postdoc
Topology and Functional Analysis department 01/2014 - present
- Faculty of Informatics and Statistics, University of Economics, Prague** Associate professor
Department of Mathematics 09/2013 - 12/2013

Teaching Experience

- Faculty of Informatics and Statistics, University of Economics, Prague** 2013
Exercise sessions in a basic course in calculus and linear algebra
- Charles University in Prague, Faculty of Mathematics and Physics** 2009 - 2013
Exercise sessions in basic calculus courses

Grants and Awards

- Grant from the **Grant Agency of Charles University** in the years 2010 - 2012 (project *Applications of descriptive set theory in mathematical analysis*)
- The award of the Dean of the Faculty of Mathematics and Physics** for the best master thesis of the academic year 2008/09
- First place in the competition **SVOČ 2009** (a competition of students from Czech and Slovak universities in a scientific activity in mathematics)

Lectures at Conferences

Winter School in Abstract Analysis <i>Svratka, Czech Republic</i>	01/2015
Interactions between Algebra and Functional Analysis <i>Prague, Czech Republic</i>	12/2014
Joint Prague-Vienna Logic & Set Theory Meeting <i>Prague, Czech Republic</i>	10/2014
Real Analysis Exchange Summer Symposium <i>Budapest, Hungary</i>	06/2011
Week of doctoral students <i>Prague, Czech Republic</i>	06/2010
Winter School in Abstract Analysis <i>Kácov, Czech Republic</i>	01/2009
Winter School in Abstract Analysis <i>Lhota nad Rohanovem, Czech Republic</i>	01/2008

Publications and Preprints

10. M. Doležal, W. Kubiś, *Perfect independent sets with respect to infinitely many relations*, submitted
9. M. Doležal, J. Hladký, A. Máthé, *Cliques in dense inhomogenous random graphs*, submitted
8. M. Doležal, M. Rmoutil, B. Vejnar, V. Vlasák, *Haar meager sets revisited*, submitted
7. M. Doležal, D. Preiss, M. Zelený, *Infinite games and σ -porosity*, to appear in Israel J. Math.
6. M. Doležal, B. Vejnar, *Classification of the spaces $C_p^*(X)$ within the Borel-Wadge hierarchy for a projective space X* , *Topology Appl.* 183 (2015), 11–17
5. M. Doležal, *Unitary representations of finite abelian groups realizable by an action*, *Topology Appl.* 164 (2014), 87–94
4. M. Doležal, P. Ludvík, P. Pošta, P. Pyrih, M. Rmoutil, B. Vejnar, *Arcwise connected continuum with a free arc and with the fixed set property for monotone onto maps*, *Questions Answers Gen. Topology* 30 (2012), no. 2, 135–137
3. M. Doležal, *Characterization of σ -porosity via an infinite game*, *Fund. Math.* 216 (2012), no. 2, 109–118
2. M. Doležal, P. Pošta, P. Pyrih, M. Rmoutil, B. Vejnar, *Chain of dendrites without monotone supremum*, *Questions Answers Gen. Topology* 29 (2011), no. 2, 131–133
1. M. Doležal, *A note on the three-segment problem*, *Math. Bohem.* 134 (2009), no. 2, 211–215