Ján Špakula

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Publications & talks

JOURNAL ARTICLES (SELECTED)

- "Quasi-local Algebras and Asymptotic Expanders", with Kang Li, Piotr Nowak, and Jiawen Zhang, *Groups, Geometry, and Dynamics* (2021) [DOI]
- "Quasi-locality and Property A", with Jiawen Zhang, *Journal of Functional Analysis* (2020) [DOI]
- "Relative commutant pictures of Roe algebras", with Aaron Tikuisis, *Comm. in Math. Phys.* (2019) [DOI]
- "A metric approach to limit operators", with Rufus Willett, *Transactions of AMS* (2017) [DOI]
- "Strong hyperbolicity", with Bogdan Nica, *Groups, Geometry and Dynamics* (2016) [DOI]
- "On rigidity of Roe algebras", with Rufus Willett, *Advances in Mathematics* (2013) [DOI]
- "Uniform local amenability", with Jacek Brodzki, Graham Niblo, Rufus Willett and Nick Wright, *Journal of Noncommutative Geometry* (2013) [DOI]
- "Maximal and reduced Roe algebras of coarsely embeddable spaces", with Rufus Willett, *Journal für Reine und Angewandte Mathematik (Crelle)* (2013) [DOI]
- "Coarse amenability and coarse embeddings", with Goulnara Arzhantseva and Erik Guentner, *Geometric and Functional Analysis (GAFA)* (2012) [DOI]
- "Controlled coarse homology and isoperimetric inequalities", with Piotr Nowak, *J. of Topology* (2010) [DOI]
- "Uniform K-homology", *Journal of Functional Analysis* (2009) [DOI]

SUBMITTED PREPRINTS

- "Measured asymptotic expanders and rigidity for Roe algebras", with Kang Li and Jiawen Zhang
- "Measured expanders", with Kang Li and Jiawen Zhang

TALKS (SELECTED)

- "Measured asymptotic expanders and rigidity of Roe algebras":: Interactions between expanders, groups and operator algebras workshop, Münster, Germany (virtually) (10 June 2021)
- "On quasi-locality":: Operator Theory Seminar at University of Virginia (virtually) (1 Dec 2020)
- "Quasi-locality and asymptotic expanders":: Functional Analysis seminar, University of Oxford (18 Feb 2020)
- "Quasi-locality and Property A": Special session on recent advances in coarse geometry, AMS Sectional Meeting, Auburn, AL (16 Mar 2019)
- "Coarse medians and Property A": Groups, Dynamics, and Operator Algebras; Queen Mary, University of London (20 Jul 2016)

Grants, honors & awards

- EPSRC Standard Grant EP/V002899/1, Boundary rep^{n}s of non-positively curved groups (2021-24)
- Research in Pairs, London Mathematical Society Scheme 4 (2018; with B. Nica)
- Career Integration Grant "Coarse Analysis", within the FP7-PEOPLE-2013-CIG Marie Curie Actions programme (2015-2019)
- Research-in-Teams at Erwin Schrödinger International Institute, Vienna, Austria (2013; with E. Guentner and R. Willett)
- B. F. Bryant Prize for Excellence in Teaching, Vanderbilt University, USA (2008)