

Liran Rotem

Curriculum Vitae

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Education

- 2011–current **PhD in Mathematics**, *Tel-Aviv University*, Tel-Aviv, Israel.
Expected to graduate August 2015.
I am working under the supervision of Prof. Vitali Milman. My PhD thesis is titled “Extensions of convex geometry and geometric inequalities to an analytic setting”.
- 2010–2011 **M.Sc. in Mathematics**, *Tel-Aviv University*, Tel-Aviv, Israel.
Graduated Summa Cum Laude.
I wrote my master’s thesis under the supervision of Prof. Vitali Milman. The work is titled “Geometrization of probability: Extension of mean width to log-concave functions”.
- 2002–2005 **B.Sc in Mathematics**, *Bar-Ilan University*, Ramat Gan, Israel.
Graduated Summa Cum Laude.

Publications

See in a separate file

Talks Delivered

- April 2011 **Finite Volume Ratio and Low- M^* Estimates for Log-Concave Functions**, at Geometry and the distribution of volume in convex bodies, Kibbutz Hagoshrim, Israel.
- April 2012 **Characterization of self-polar convex functions**, at Workshop on Convexity and Asymptotic Geometric Analysis, Montreal, Canada.
- February 2013 **Mixed integrals and related inequalities**, at Workshop on Integral Geometry and its Applications, Oberwolfach, Germany.

- March 2013 **Geometric constructions and inequalities for α -concave functions**, at Interplay of convex geometry and Banach space theory, Banff, Canada.
- September 2013 **Complemented Brunn-Minkowski Inequalities**, at Conference on Convex Geometry, Castro Urdiales, Spain.
- October 2013 **Minkowski's Theorem for Quasi-concave Functions**, at de Finetti Risk Seminars, Bocconi University, Milan, Italy.
- March 2014 **On isotropicity with respect to a measure**, at Geometric Tomography and Harmonic Analysis , Banff, Canada.
- June 2014 **Complemented Brunn-Minkowski inequalities** , at Isoperimetric Problems Between Analysis and Geometry, Pisa, Italy.
- June 2014 **Characterizing additions on convex sets**, at TU Wien, Vienna, Austria.
- April 2015 **Algebraic structures on the family of convex Sets**, at Asymptotic Analysis Seminar, IMA, Minneapolis, USA.
- September 2015 **Algebraically inspired constructions in convex geometry**, at Affine Geometric Analysis, Oaxaca, Mexico.

Awards

- 2006 **The Rector's List of Outstanding Students** , *Bar-Ilan university*.
- 2011 **Excellent M.Sc. student prize**, *Tel-Aviv university*.
- 2012 **Ruth and Nathan Elyosef award for excellence in teaching**, *Tel-Aviv university*.
- 2013 **Adams Fellowship**, *Israel Academy of Sciences and Humanities*.

Teaching Experience

- 2011-2014 **Teaching assistant**, *Tel-Aviv university*.
Tutoring calculus, harmonic analysis, and complex analysis courses for engineers.
- 2011 **Teaching assistant**, *University of Perugia*, Scuola Matematica Interuniversitaria.
Tutoring a functional analysis course, aimed at graduate students

- 2012-2015 **Teaching assistant**, *Tel-Aviv university*.
Tutoring analysis courses for mathematicians and computer scientists.
- 2013 **Instructor**, *Tel-Aviv university*.
Lecturing a calculus course for engineers.