

DAN ISMAILESCU

Courant Institute of Mathematical Sciences
New York University
251 Mercer Street, New York, NY 10012
Phone: (212)998-3169 e-mail: ismailes@cims.nyu.edu

EDUCATION

Courant Institute, New York University, Ph.D. in Mathematics, May 2001.

University of Bucharest, Romania, B.Sc. in Mathematics, June 1990.

FIELDS OF INTEREST

Discrete Geometry, Graph Theory, Combinatorics, Number Theory.

TEACHING EXPERIENCE

Courant Institute of Mathematical Sciences, 1997-2000.

Conducted recitations in Mathematical Analysis, Business Calculus.

Taught lectures in Intermediate Algebra, Discrete Mathematics.

The National High-School B.P. Hasdeu, Buzau, Romania, 1990-1997.

Designed and taught courses in Calculus, Analytic Geometry, Discrete Mathematics, Algebra, Trigonometry, Probability, Statistics, Plane and Solid Geometry.

The National High-School B.P. Hasdeu, Buzau, Romania, 1992-1997.

Organized and directed weekly sessions with the mathematics high-school team in preparation for the national mathematics contests.

Romanian Mathematics Olympic Team, 1994-1996.

Trained the Romanian Olympic team for the international math competitions.

AWARDS

Dean's Dissertation Fellowship, 2000-2001.

Awarded to outstanding Ph.D. candidates in the terminal year of their studies.

Graduate Assistantship at the Courant Institute, 1997-2000.

Summer Research Assistantship at the Courant Institute, 1998-2000.

PUBLICATIONS

- G. Csizmadia, D. Ismailescu: *Maximum number of different distance counts*, Intuitive geometry (Budapest, 1995), 301–309, Bolyai Soc. Math. Stud., 6, 1997.
- D. Ismailescu: *Covering the plane with copies of a convex disk*, Discrete and Computational Geometry **20** (1998), no. 2, 251–263.
- D. Ismailescu: *Illuminating a Convex Polygon by Vertex Lights*, Romanian Mathematics Magazine **1** (1998), no. 1, 17–24.
- D. Ismailescu: *Inequalities between Packing and Covering Densities of Centrally Symmetric Convex Bodies*, (to appear in Discrete and Computational Geometry).
- D. Ismailescu, D. Stefanica: *Minimizer Graphs for a Class of Extremal Problems*, (to appear in Journal of Graph Theory).
- D. Ismailescu: *Slicing the Pie*, (submitted).
- D. Ismailescu: *On a Problem of Erdős*, (in preparation).
- D. Ismailescu: *On the Number of Cylinders Touching a Ball*, (work in progress).

CONFERENCE AND SEMINAR LECTURES

- Joint Mathematics Meeting of the AMS-MAA, New Orleans, January 2001, *On a Problem of Erdős*.
- US-Hungarian Workshop in Discrete Geometry and Convexity, Auburn, March 2000, *Slicing the Pie*.
- Geometry Seminar, Courant Institute, October 1999, *A Better Bound for the Covering Density*.
- Seminar on Combinatorial Computing, City University of New York, September 1999, *Problems and Results in Illumination and Visibility*.
- Fourth Turán Workshop in Mathematics, Budapest, July 1999, *Packing and Covering Densities of Centrally Symmetric Convex Bodies*.
- Fourth International Joint Meeting of the AMS and the Sociedad Matematica Mexicana, University of North Texas, May 1999, *Connections between Packing and Covering Densities*.

PROFESSIONAL SERVICE AND AFFILIATIONS

- Reviewer for Discrete and Computational Geometry, Mathematika, Graphs and Combinatorics, Computational Geometry and Applications.
- Member of the American Mathematical Society.

REFERENCES

Professor János Pach, Courant Institute, pach@cims.nyu.edu.

Professor Włodzimierz Kuperberg, Department of Mathematics,
Auburn University, Auburn, AL36849, kuperwl@mail.auburn.edu

Professor Richard Pollack, Courant Institute, pollack@cims.nyu.edu.

Professor Joel Spencer, Courant Institute, spencer@cs.nyu.edu.