

# Elon Lindenstrauss

## Contact info:

Department of Mathematics  
Stanford University  
Stanford, California 94305  
elonl@math.stanford.edu  
650-723-5742 (phone) 650-725-4066 (fax)

## Personal

Born Jerusalem, 1970  
Married to Abigail Reiss, November 1997  
Daughter Noga Ilse born on February 2000  
Israeli Citizenship.

## Education

### Ph.D. in Mathematics

The Hebrew University of Jerusalem, Israel, 1999  
Thesis Title: Entropy Properties of Dynamical Systems  
Thesis advisor: Prof. Benjamin Weiss

### M.Sc. in Mathematics

The Hebrew University of Jerusalem, Israel, 1995

### B.Sc. in Mathematics and Physics

The Hebrew University of Jerusalem, Israel, 1991

## Academic Positions Held

|  |             |
|--|-------------|
| Member, Institute for Advanced Study, Princeton NJ                         | 1999 – 2001 |
| Szego Assistant Professor, Stanford University, CA                         | 2001 – 2003 |
| Clay Mathematical Institute Long Term Prize Fellow                         | 2003 – 2005 |
| Visiting Memembr, Courant Institute of Mathematical Sciences, New York, NY | 2003 –      |

## Grants, Scholarships and Awards

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|--|----------------|
| Clay Mathematical Institute Long Term Prize Fellow   | 2003-2005      |
| Principal Investigator for NSF Grant DMS-0140497   | 2002-2005      |
| Leonard M. and Eleanor B. Blumenthal Award for the Advancement of Research in Pure Mathematics | 2001           |
| Kennedy-Lee Prize for Ph.D. thesis   | 2000           |
| Charles Clore Scholarship (three years award)  | 1998           |
| Yashinski prize for excellence in graduate studies   | 1998           |
| Hebrew University's Rector prize   | 1989,1990,1994 |

## Research Interests

Ergodic theory; Ergodic theory of group endomorphisms; Rigidity of  $Z^d$  and  $R^d$  actions; Dynamical systems and topological dynamics; Dimension like invariants of dynamical systems; Applications of ergodic theory to number theory; Random walks and percolation on groups.

## Conference talks

|   |                  |
|---|------------------|
| Joint AMS–IMU Conference,<br>Jerusalem, Israel.   | May 1995         |
| Conference on Modern Ergodic Theorems,<br>Technion, Haifa, Israel.  | March 1997       |
| Conference on Fractal Geometry and Stochastics,<br>Greifswald, Germany.   | August 1998      |
| Conference on Dynamics and Related Subjects,<br>Penn State University, PA                                       | November 1999    |
| Conference On Dynamics and Related Subjects,<br>University of Maryland, College Park, MD                        | March 2000       |
| International Conference on Dynamical Systems,<br>Kennesaw State University, Kennesaw, GA                       | May 2000         |
| Newton Institute Special Program On Ergodic Theory, Geometric Rigidity and Number<br>Theory, Cambridge, England | June – July 2000 |
| Conference On Dynamics and Related Subjects,<br>Penn State University, State College, PA                        | November 2000    |
| Geometric Rigidity and Hyperbolic Dynamics,<br>Oberwolfach, Germany   | February 2001    |
| Conference On Dynamics and Related Subjects,<br>University of Maryland, College Park, MD                        | March 2001       |
| International Conference on Algebraic Groups and Arithmetic,<br>TIFR, Mumbai, India                             | December 2001    |
| Advances in Rigidity Theory,<br>ETH, Zurich, Switzerland  | June 2002        |
| PCMI research program on Automorphic Forms and Applications,<br>Park City, UT                                   | July 2002        |
| II Workshop on Dynamics and Randomness, 3-lecture series<br>F.C.F.M.-U. de Chile, Santiago, Chile               | December 2002    |
| Conference On Dynamics and Related Subjects,<br>University of Maryland, College Park, MD                        | March 2003       |

## Seminar talks

Hebrew University (Jerusalem, Israel), Tel Aviv University (Israel), Technion (Haifa, Israel), Weizmann Institute (Rehovot, Israel), Institute for Advanced Study (Princeton, NJ), Princeton University, Yale University (New Haven, CT), University of Maryland (College Park, MD), Stonybrook University (Stonybrook, NY), University of California at Berkeley, Stanford (Palo alto, CA), University of Illinois at Urbana Champaign, CUNY (New York, NY), NYU (New York, NY), University of Washington (Seattle, WA), Ben Gurion University of the Negev (Be'er Sheva, Israel), MSRI (Bekeley, CA).