

Curriculum Vitae

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Education and Academic Degrees

1987-1992: Studying to M.Sc. in Physics
Moscow Institute of Physics and Technology, USSR.
1995: M.Sc. in Physics, Physics Dept.,
Ben-Gurion University, Beer-Sheva, Israel (with honors).
Thesis "The e^+e^- pair creation in QED".
2001: Ph.D in Mathematical Physics,
Technion, Haifa, Israel.
Ph.D.Thesis: "Application of methods from Kähler geometry
to Quantum Mechanics".

Employment History

2000-2001: Researcher, Electro-Optics Research Division,
Technion, Haifa, Israel.
2001-2003: Postdoctoral research assistant, Department of Math. Sciences,
Brunel University, Uxbridge, United Kingdom.
2003-present: Olga Taussky-John Todd Instructor in Analysis,
Department of Mathematics, Caltech, USA.

Teaching Experience

Teaching the following courses at Caltech (2003-present):

Undergraduate: Real Analysis, Complex Analysis, Probability.
Graduate: Random Matrices, Riemann-Hilbert Problems and Applications.

Research Interests

Random Matrix Theory, Asymptotic Combinatorics,
Mathematical Physics, Riemann-Hilbert problems,
Representation Theory and Symmetric Functions.

