

October 2023

CURRICULUM VITAE

Personal Data

Vadim Zeev Ostapenko

Dept. of Mathematics,
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Education

1993—2001: Ph.D. in Mathematics

Department of Mathematics, Bar-Ilan University,
Ramat Gan, Israel. Thesis title: ‘ $U_h(\mathfrak{g}, r)$ invariant
quantization on some homogeneous spaces’.

1978—1982: M.Sc. in Physics, Faculty of Physics,
University of Harkiv, Ukraine. Thesis title: ‘Phase
transitions from commensurable to non-commensurable
phase’.

Teaching Experience

2000 – 2022: Teaching Fellow, Bar-Ilan University,
2007 – present: Teacher, Jerusalem College of Technology,
1993 – 2000: Teaching Assistant, Bar-Ilan University.

Previous Employment

1982 — 1990: Researcher, Institute for Research in Control
Systems for Gas Industry, Harkiv, Ukraine. Algorithm design
and computer programming.

PUBLICATIONS

Tate–Shafarevich groups and algebras (joint with B. Kunyavskii), *Int. J. Algebra Comput.*, **33**(2023), Issue No. 04, pp. 819–836

Quantum Exceptional Group G_2 and its Semisimple Conjugacy Classes (joint with A. Baranov and A. Mudrov), *Alg. and Rep. Theory*, **23**(2020), pp. 1827–1848

On quantization of orbit bundles in $\mathfrak{gl}_n^*(\mathbb{C})$ (joint with A. Mudrov), *Israel J. Math.*, **172**(2009), No. 1, pp. 399–423

On $U_h(\mathfrak{g}, r)$ -equivariant quantization of non-orbit homogeneous varieties, *Rep. Math. Phys.*, **61**(2008), No. 2, pp. 303–310

Equivariant quantization on quotients of simple Lie groups by reductive subgroups of maximal rank (joint with J. Donin), *Czechoslovak J. Phys.*, **52**(2002), No. 11, pp. 1213–1218

Endomorphisms of lattices of a Lie algebra over formal power series field, *C. R. Acad. Sci. Paris*, **315** (1992), Série I, p. 669–673.

PRESENTATIONS

GROUP 32: The 32nd International Colloquium on Group Theoretical Methods in Physics, Praha, July 9 – 13, 2018

Talk: Quantum exceptional group G_2 and its semisimple conjugacy classes.

The XVI Colloquium on Integrable Systems and Quantum Symmetries, Praha, Juny 13 – 17, 2007

Talk: Quantization of orbit bundles in \mathfrak{gl}_n .

The XI Colloquium on Quantum Groups and Integrable Systems, Praha, Juny 20 – 23, 2002

Talk: Equivariant quantization on some homogeneous manifolds.

ORGANIZATION

Quantum Groups, Deformations, and Geometry, a satellite conference of The Second Joint International Meeting of the Israel Mathematical Union and the American Mathematical Society, BIU, 15 – 17 June 2014

PROFESSIONAL MEMBERSHIP

Israel Mathematical Union

European Mathematical Society

TEACHING EXPERIENCE

I gave the following undergraduate courses:

- Analytical Geometry
- Calculus-1
- Calculus-1 for Engineering
- Calculus-2 for Engineering
- Calculus-4 (Integration On Manifolds)
- Calculus for Chemistry
- Fourier Analysis
- Fourier Analysis for Engineering
- Linear Algebra for Engineering
- Numerical Analysis -1
- Numerical Analysis-2
- Ordinary Differential Equations
- Ordinary Differential Equations for Engineering
- Ordinary Differential Equations for Brain Science
- Probability for Engineering
- Statistics for Engineering