Dmytro Matvieievskyi

CONTACT
INFORMATION

Northeastern University
Department of Mathematics
360 Huntington Ave, Nightingale Hall, office 537
Boston, MA 02115 USA

matvieievskyi.d@northeastern.edu
dmitriy.matveevskiy@gmail.com

RESEARCH
INTERESTS

Representation Theory
In particular: symplectic singularities, Orbit method, finite W-algebras

EDUCATION

Northeastern University
PhD Candidate , Mathematics   *Sep' 16 - May' 22 (Expected)*

- Dissertation Topic: "Unipotent ideals and Harish-Chandra bimodules" (in progress)
- Advisors: Ivan Losev and Valerio Toledano Laredo

Higher Scool of Economics, Moscow
B.S. in Mathematics   *Sep' 12 - Jun' 16*

- Diploma Topic: "On Configuration Spaces and Modules over Little Discs Operad"
- Advisor: Anton Khoroshkin

PUBLICATIONS

Dmytro Matvieievskyi, "On invariant 1-dimensional representations of a finite W-algebra" ,
arXiv:1810.11531, 14 pages

Dmytro Matvieievskyi, "On the affinization of a nilpotent orbit cover" ,
arXiv:2003.09356, 19 pages

Ivan Losev, Lucas Mason-Brown, Dmytro Matvieievskyi, "Unipotent Ideals and Harish-Chandra Bimodules" ,
arXiv:2108.03453, 191 pages, submitted

Lucas Mason-Brown, Dmytro Matvieievskyi, "Unipotent Ideals for Spin and Exceptional Groups",
arXiv:2109.09124, 80 pages, submitted

TEACHING
EXPERIENCE AT
NORTHEASTERN
UNIVERSITY

Fall	2017	Teaching Assistant, Multivariable Calculus MATH2321
Spring	2018	TA, Differential Equations and Linear Algebra for Engineers MATH2341
Summer	2019	Mentor in REU program
Fall	2019	Instructor of Record, Introduction to mathematical reasoning MATH1365
Fall	2021	TA, Differential Equations and Linear Algebra for Engineers MATH2341

ATTENDED PROGRAMS:	Jan'20 - Dec'20: Visiting Assistant in Research at Yale University

RESEARCH TALKS:

March 22, 2019, *On G-equivariant quantizations of nilpotent coadjoint orbits*, "Geometric Representation Theory Seminar", Fields Institute

June 23, 2019, *On G-equivariant quantizations of nilpotent coadjoint orbits*, "Hilbert schemes, categorification and combinatorics" conference at UC Davis

January 27, 2020, *On G-equivariant quantizations of nilpotent coadjoint orbits and their covers*, "Geometry, Symmetry and Physics" seminar at Yale University

November 9, 2020, *Unipotent representations from a geometric point of view*, "Geometry, Symmetry and Physics" seminar at Yale University

LANGUAGES:

English: fluent
Ukrainian: native
Russian: native