Ivana Vukorepa

Curriculum Vitae

Personal data

Place and Split, Croatia, 30 December 1993

- Office address Department of Mathematics, Faculty of Science, University of Zagreb, Bijenička cesta 30, 10 000 Zagreb, Croatia
 - E-mail vukorepa@math.hr

date of birth

Education

- 2018–2022 Postgraduate Doctoral Study of Mathematics, University of Zagreb, Croatia Advisors: Prof. Dražen Adamović and Prof. Ozren Perše Thesis: Affine vertex algebras of type A beyond admissible levels
- 2015-2017 M.Sc. in Mathematics, University of Split, Croatia
- 2012-2015 B.Sc. in Mathematics, University of Split, Croatia

Professional experience

- 2018–present Research Assistant, Department of Mathematics, Faculty of Science, University of Zagreb
 - 2017–2018 Teaching Assistant, Faculty of Chemistry and Technology, University of Split

Research projects

2018-present Member of Scientific Centre of Excellence QuantiXLie

Publications

1. D. Adamović, T. Creutzig, O. Perše, I. Vukorepa, *Tensor category* $KL_k(\mathfrak{sl}_{2n})$ via minimal affine W-algebras at the non-admissible level $k = -\frac{2n+1}{2}$ (2022), arXiv:2212.00704 [math.QA]

2. D. Adamović, O. Perše, I. Vukorepa, On the representation theory of the vertex algebra $L_{-5/2}(sl(4))$, Communications in Contemporary Mathematics (2021), https://doi.org/10.1142/S0219199721501042

Conferences

- Representation Theory XVIII, Dubrovnik, Croatia, June 18 July 1, 2023
- Interactions between Mathematics and Physics, Rome, Italy, May 29 June 1, 2023

- Mini-workshop on vertex algebras and applications, Zagreb, Croatia, March 18, 2023
- Representation Theory XVII, Dubrovnik, Croatia, October 3-8, 2022
- Special week on Infinite dimensional Lie algebras and related structures, Rome, Italy, September 4-9, 2022
- Vertex algebras and Representation Theory, CIRM, France, June 6-10, 2022
- 5th Faculty of Science PhD Student Symposium, Zagreb, Croatia, April 24-25, 2021
- Representation Theory XVI, Dubrovnik, Croatia, June 23-29, 2019
- Geometrical and automorphic aspects of W-algebras, Lille, France, May 27-31, 2019
- Vertex algebras and infinite dimensional Lie algebras, Split, Croatia, November 22-25, 2018

Invited talks

May 25, 2023, Tensor category $KL_k(\mathfrak{sl}_{2n})$ via minimal affine W-algebras at the non-admissible Rocky level $k = -\frac{2n+1}{2}$ Mountain seminar March 18, Tensor category $KL_k(\mathfrak{sl}_{2n})$ via minimal affine W-algebras at the non-admissible 2023, Zagreb, level $k = -\frac{2n+1}{2}$ Croatia October 6, On the representation theory of the affine sl(4) at level -5/2 and application to the 2022, higher ranks Dubrovnik, Croatia September 7, On the representation theory of the vertex algebra $L_{-5/2}(sl(4))$ 2022, Rome, Italy June 9, 2022, On the representation theory of the vertex algebra $L_{-5/2}(sl(4))$ CIRM, France Teaching 2020-present Vector spaces, Linear Algebra 1, Linear Algebra 2 2019/2020 Vector spaces, Combinatorics and Discrete Mathematics, Constructive Methods in Geometry

2018/2019 Elementary Number Theory

Scholarships and awards

- 2017 Dean's award for excellence, University of Split
- 2015 Dean's award for excellence, University of Split
- 2013–2020 City of Split scholarship

Languages

Croatian (native speaker) English (fluent)