

# Dražen Adamović

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## Curriculum Vitae

### Address

Department of Mathematics, Faculty of Science, University of Zagreb,  
Bijenička cesta 30, 10 000 Zagreb, Croatia

E-mail adamovic@math.hr

### Education

1996 **Ph.D. in Mathematics**, University of Zagreb.

1995 **M.Sc. in Mathematics**, University of Zagreb.

1992 **B.Sc. in Mathematics**, University of Zagreb.

### Working experience

2007–Present **Professor**, *Department of Mathematics*, Faculty of Science, University of Zagreb.

2002–2007 **Associate Professor**, *Department of Mathematics*, Faculty of Science, University of Zagreb.

1998–2002 **Assistant Professor**, *Department of Mathematics*, Faculty of Science, University of Zagreb.

1992–1998 **Teaching Assistant**, *Department of Mathematics*, Faculty of Science, University of Zagreb.

### Awards

2020 Member of the list of most cited scientists for 2020 for general mathematics

2012 Award of the Croatian Academy of Sciences and Arts for natural sciences

2009 National Science Award for natural sciences

### Member of editorial boards of the following journals

since 2014 European Journal of Mathematics, Springer

2012–2017 Glasnik Matematički (managing editor)

2017–2027 Glasnik Matematički (Editor-in-Chief)

since 2008 Mathematical Communications

2004–2014 Central European Journal of Mathematics

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## PhD students

- 2022 Ivana Vukorepa (*jointly with O. Perše*)  
in progress
- 2021 Veronika Pedić Tomić  
Whittaker modules and fusion rules for the Weyl vertex algebra, affine vertex algebras and their orbifolds
- 2021 Ante Čeperić  
Representations of logarithmic vertex algebras and structure of their higher Zhu's algebras
- 2019 Berislav Jandrić  
Vertex algebras associated to representations of  $N = 1$  super Heisenberg-Virasoro and Schrödinger-Virasoro algebra
- 2019 Ana Kontrec  
Representations of certain irrational W-algebras
- 2015 Marijan Polić (*jointly with O. Perše*)  
Representations of certain subalgebras of the vertex algebra  $W_{1+\infty}$
- 2012 Gordan Radobolja  
Application of vertex algebras to the structure theory of certain representations of Infinite-dimensional Lie algebras of Virasoro type
- 2008 Ivana Baranović (*jointly with M. Primc*)  
Feigin-Stoyanovsky's type subspace of standard modules for affine Lie algebras of type  $D_l^{(1)}$  it's combinatorial bases and the intertwining operators
- 2005 Ozren Perše (*jointly with M. Primc*)  
Vertex Operator Algebras Associated to Affine Lie Algebras of Type  $A_l^{(1)}$  and  $B_l^{(1)}$  on Admissible Half-Integer Levels

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## Research projects

- since 2015 Member of Scientific Centre of Excellence (ZCI) QUANTIXLIE
- 2014–2018 leader of project "Algebraic and combinatorial methods in vertex algebra theory" by Croatian Science Foundation
- 2013–2014 leader of the grant "Vertex algebras, Lie algebras and their modules", University of Zagreb
- 2009–2011 leader of the Croatian-Hungarian bilateral project „Algebraic methods in mathematical physics“
- 1998–2002 leader of the project „Vertex algebras“ for young scientists, MZOS

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## Activities

- 2021–2025 Member of Scientific field committee for mathematics
- 2017–2021 Member of Scientific field committee for mathematics

2009–2013 Member of Scientific field committee for mathematics  
 2003–2006 Chairman of the Scientific Section and Colloquium of Croatian Mathematical Society  
 since 2002 Leader of the postgraduate Algebra seminar

## Teaching

Current Vector spaces, Mathematical methods of physics 1,2  
 Recent Elementary mathematics 1,2, Complex analysis; Algebra 1, Algebra 2; Multilinear algebra(undergraduate); Affine vertex algebras; Lie algebras and their modules; Algebra; Vertex algebras (graduate courses)

## Languages

English

## Invited talks at international conferences and foreign institutions (since 2010)

1. Workshop vertex operator algebras and tensor categories, Shanghai, November 27-28, 2021.
2. Quantum Field Theories and Quantum Topology Beyond Semisimplicity Banff, October 31-November 5, 2021
3. Pure Spinors, Superalgebras, and Holomorphic Twists, Workshop in Mathematical Physics at Heidelberg University Heidelberg, October 4–8, 2021
4. Mini workshop "Vertex Algebras, W-Algebras and related structures" Sapienza Universita di Roma, Rome, September 23-24, 2021
5. 13th Seminar on Conformal Field Theory, January 17, 2020 in Darmstadt
6. Beyond Rationality  $\infty$  : exploring the many roads to postrational conformal field theory, at the Woudschoten Hotel and Conferentiecentrum (Zeist, The Netherlands), December 12-13, 2019
7. Affine Vertex Algebras, collapsing levels and representation theory, Modern perspectives of VOAs II, Edmonton, Canada, November 12 and 14 in 2019,
8. Workshop on vertex operator algebras and related topics, Chengdu, China, August 19-23, 2019
9. The Mathematical Foundations of Conformal Field Theory and Related Topics, Tianjin, China, June 10-14, 2019
10. Geometrical and automorphic aspects of W-algebras, Lille, France, May, 27-31, 2019
11. Vertex Algebras in Mathematics and Physics, University at Albany, April 13 - 14, 2019
12. Central China Normal University, Wuhan, China, Seminar, January 10, 2019.
13. Xiamen University, China, Seminars, January 7, 2019
14. Seminar Geometry and Algebra Utrecht Geometry Centre, Utrecht, September 18th 2018
15. Mini-workshop on algebraic structures in CFT Utrecht University, Utrecht, September 19th 2018
16. RIMS Gasshuku-style Seminar "Vertex Operator Algebras and Conformal Field Theory" RIMS, Kyoto University, Japan, July 2 - 6, 2018
17. Vertex operator algebras, number theory, and related topics , Sacramento, California, June 11-15, 2018
18. Affine, vertex and W-algebras, Rome, December 11-15, 2017.
19. Vertex operator algebras, number theory, and related topics , Sacramento, California, June 11-15, 2018
20. Shanghai Jiao Tong University, Shanghai, China, Colloquium talk, November 2, 2017

21. Xiamen University, China, Two seminars, October 30 and November 1, 2017
22. VOA and related topics, Osaka University, March 15-16, 2017, invited talk
23. Geometry and Representation Theory, Erwin Schrödinger International Institute for Mathematical Physics, Vienna, January 16-27, 2017, invited talk
24. AMS Special Session on Representations of Lie Algebras, Quantum Groups and Related Topics, NCSU, Raleigh, November 12-13, 2016, invited talk
25. North Carolina State University, Raleigh, USA, Algebra and Combinatorics Seminar, November 7, 2016
26. 6th Croatian Mathematical Congress, June 14-17. 2016. Zagreb, Croatia (plenary talk)
27. South China University of Technology, Guangzhou, China, 10-17.4.2016. (series of seminars)
28. Vertex algebras and Quantum groups, BIRS, Banff. Canada, 7.2. -12.2.2016. (invited talk)
29. Sapienza Università di Roma, Italy, Algebra and Geometry Seminar, 2.12.2015. (seminar)
30. Vertex operator algebras and Related topics, Sichuan University, Chengdu, China, September 7-11, 2015 (invited talk)
31. Lie Algebras, Vertex Operator Algebras, and Related Topics, University of Notre Dame, USA, August 14-18, 2015 (invited talk)
32. Workshop on Vertex Operator Algebras and Mock Modular Forms, May 22-23, 2015, NUI Galway, Ireland (invited talk)
33. Vertex algebras, W-algebras, and applications, Centro di Ricerca Matematica Ennio De Giorgi, Pisa, Italy, December 9th 2014 to January 18th 2015 (invited talk)
34. International conference on "Infinite Dimensional Lie Theory and its Applications", Harish-Chandra Research Institute, Allahabad, India, December 15-20, 2014 (invited talk)
35. North Carolina State University, Raleigh, USA, Algebra and Combinatorics Seminar, 6.10.2014.(invited talk)
36. Modern trends in topological quantum field theory, Workshop II, March 17-21, 2014, Erwin Schrödinger International Institute for Mathematical Physics, Vienna, Austria (invited talk)
37. Beyond the Moonshine, Sendai, Japan, July 8-12, 2013, (invited talk)
38. Rutgers university, USA, Seminar talk, October, 2012
39. AMS Special Session on Geometric and Algebraic Aspects of Representation Theory, 2012 New Orleans, USA, October 13-14, 2012, Invited talk
40. International Conference on Group Theory & Lie Theory, Harish-Chandra Research Institute, Allahabad, India, March, 2012, Invited talk
41. AMS Special Session on Kac-Moody Lie Algebras, Vertex Algebras, and Related Topics, Cornell University, Ithaca, USA , September 10-11, 2011, invited speaker
42. Conformal field theories and tensor categories, Beijing International Center for Mathematical Research, Peking University, Beijing, China, June 13-17, 2011, invited talk
43. Algebraic and Combinatorial Approaches to Representation Theory, The Indian Institute of Sciences, Bangalore, India, August 12-16, 2010, invited talk
44. University at Albany, May, 2010, Colloquium talk

### Invited seminars and mini-courses (online)

1. ISU algebra online seminar, University of Illinois, USA, November 18, 2021.
2. STARS: Superalgebra Theory and Representations Seminar Ben-Gurion University of the Negev / Weizmann Institute of Science, September 29, 2021.
3. Afternoon representation theory III, Metz, June 15, 2021
4. Mini-conference Vertex operator algebras and related topics, April 9-10, 2021

5. Colloquium of Croatian Mathematical Society, January 27, 2021.
6. Xiamen University, mini-course, November and December, 2020.
7. Rocky Mountain Rep Theory Seminar, 17.12. 2020.
8. Shanghai Jiao Tong University, Shanghai, 12.12. 2020.
9. ETH Zurich, 26.11.2020
10. Sao Paolo, 5.8.2020.

## Organization of conferences

1. Representation Theory XVI, Dubrovnik, 2019
2. Vertex algebras and infinite dimensional Lie algebras, University of Split, Split, Croatia, November 22-25, 2018
3. Vertex algebras and related topics , University of Zagreb, Zagreb, Croatia, May 24-27, 2018.
4. Affine, vertex and W-algebras, Rome, December 11-15, 2017
5. Representation Theory XV, Dubrovnik, 2017
6. Representation Theory XIV, Dubrovnik, 2015;
7. Representation Theory XIII, Dubrovnik, 2013
8. Organizer of the workshop "Algebraic methods in Mathematical Physics", Zagreb, 2011
9. Representation Theory XII, Dubrovnik, 2011;
10. Representation Theory XI, Dubrovnik, 2009
11. Functional analysis X- Representation Theory", Dubrovnik, 2008

## Visits to foreign research institutions

Sapienza University, Rome (September 2021)  
 University of Alberta, Edmonton (November 2019)  
 Xiamen University (January 2019)  
 RIMS Kyoto (July 2018)  
 Xiamen University (October 28-November 6, 2017)  
 Osaka University (March 2017)  
 North Carolina State University, Raleigh, USA, (November 2016)  
 South China University of Technology, Guangzhou, China (April, 2016)  
 Wilfrid – Laurier University, Waterloo, Canada (April, 2014)  
 North Carolina State University, Raleigh, USA, (October 2014)  
 Tata Institute for Fundamental Research, Mumbai, India (February, 2003);  
 Erwin Schrodinger Institute for Mathematical Physics, Vienna, Austria (December 2004; September, 2008, February, 2009; March 2014, January 2017);  
 Lund University (March, 2009),  
 SUNY-University at Albany (May, 2010);  
 Rutgers University, USA (October, 2012),  
 Eotvos Lorand University, Budapest, Hungary (several times in 2003; 2009-2011);  
 Harish-Chandra Research Institute Allahabad, India (March, 2012)

## Citations

**MathSciNet**, 772 citations, h-index 16.  
**ISI Web of Knowledge**, 782 citations, h-index 15.  
**Google Scholar(all)**, 1528 citations, h-index 23.

**Google Scholar(since 2017)**, 896 citations, h-index 19.

**Scopus**, 741 citations, h-index 16.

## Books

1. D. Adamović, P. Papi, Affine, vertex and W-algebras. Springer INdAM Series 37. Cham: Springer (ISBN 978-3-030-32905-1/hbk; 978-3-030-32906-8/ebook). ix, 218 p. (2019).
2. D. Adamović, A. Dujella, A. Milas, P. Pandžić, Lie Groups, Number Theory, and Vertex Algebras, Contemporary Mathematics 768, American Mathematical Society, (2021), Proceedings of the Dubrovnik Conference "Representation Theory XVI", June 2019.

## Papers

1. D. Adamović, O. Perše, I. Vukorepa, On the representation theory of the vertex algebra  $L_{-5/2}(sl(4))$ , to appear in Communications in Contemporary Mathematics, arXiv:2103.02985 [math.QA].
2. D. Adamović, A. Kontrec, Bershadsky-Polyakov vertex algebras at positive integer levels and duality, to appear in Transformation Groups, arXiv:2011.10021 [math.QA]
3. D. Adamović, B. Jandrić, G. Radobolja, The  $N=1$  super Heisenberg-Virasoro vertex algebra at level zero, to appear in Journal of Algebra and Its Applications, arXiv:2011.11989 [math.QA].
4. D. Adamović, K. Kawasetsu, D. Ridout, A realisation of the Bershadsky-Polyakov algebras and their relaxed modules, Letters in Mathematical Physics 111, 38 (2021), arXiv:2007.00396 [math.QA].
5. D. Adamović, T. Creutzig, N. Genra and J. Yang, The vertex algebras  $\mathcal{R}^{(p)}$  and  $\mathcal{V}^{(p)}$ , Communications in Mathematical Physics 383, 1207–1241 (2021), arXiv:2001.08048 [math.RT]
6. D. Adamović, A. Milas, Q. Wang, On parafermion vertex algebras of  $sl(2)_{-3/2}$  and  $sl(3)_{-3/2}$ , to appear in Communications in Contemporary Mathematics, arXiv:2005.02631 [math.QA].
7. D. Adamović, A. Milas, M. Penn, On certain  $W$ -algebras of type  $\mathcal{W}_k(sl_4, f)$ , Contemporary Mathematics Volume 768, 2021, pp 151–165, <https://doi.org/10.1090/conm/768/15461>
8. D. Adamović, B. Jandrić, G. Radobolja, On the  $N = 1$  super Heisenberg-Virasoro vertex algebra, Contemporary Mathematics Volume 768, 2021, pp 167–178, <https://doi.org/10.1090/conm/768/15462>
9. D. Adamović, A. Čeperić, On Zhu's algebra and  $C_2$ -algebra for symplectic fermion vertex algebra  $SF(d)^+$ , Journal of Algebra, Volume 563, 1 December 2020, Pages 376-403, arXiv:2005.13842 [math.QA].
10. D. Adamović, A. Milas, On some vertex algebras related to  $V_{-1}(sl(n))$  and their characters, Transformation Groups, Vol. 26, No. 1, 2021, pp. 1-30, arXiv:1805.09771 [math.RT]
11. D. Adamović, A. Kontrec, Classification of irreducible modules for Bershadsky-Polyakov algebra at certain levels, Journal of Algebra and Its applications 20 (2021), no. 6, 2150102, 39 pp., arXiv:1910.13781 [math.QA]
12. D. Adamović, P. Möseneder Frajria, P. Papi, O. Perše Conformal embeddings in affine vertex superalgebra, Advances in Mathematics, 360 (2020) 106918, arXiv:1903.03794 [math.RT]
13. D. Adamović, C. H. Lam, V. Pedić, N. Yu, On irreducibility of modules of Whittaker type for cyclic orbifold vertex algebra, Journal of Algebra 539 (2019) 1–23, arXiv:1811.04649
14. D. Adamović, V. G. Kac, P. Möseneder Frajria, P. Papi, O. Perše, Kostant's pair of Lie type and conformal embeddings, to appear in Springer INdAM Series, arXiv:1802.02929
15. D. Adamović, V. Pedić, On fusion rules and intertwining operators for the Weyl vertex algebra, Journal of Mathematical Physics 60, 081701 (2019), 18 pp.

16. D. Adamović, Realizations of simple affine vertex algebras and their modules: the cases  $\widehat{sl(2)}$  and  $\widehat{osp(1,2)}$ , Communications in Mathematical Physics, March 2019, Volume 366, Issue 3, pp 1025–1067.
17. D. Adamović, G. Radobolja, Self-dual and logarithmic representations of the twisted Heisenberg-Virasoro algebra at level zero, Communications in Contemporary Mathematics Vol. 21, No. 02, 1850008 (2019),
18. D. Adamović, V. G. Kac, P. Möseneder Frajria, P. Papi, O. Perše, An application of collapsing levels to the representation theory of affine vertex algebras, International Mathematics Research Notices, Volume 2020, Issue 13, July 2020, Pages 4103-4143
19. D. Adamović, V. G. Kac, P. Möseneder Frajria, P. Papi, O. Perše, On classification of non-equal rank affine conformal embeddings and applications, Selecta Mathematica New Series, July 2018, Volume 24, Issue 3, pp 2455-2498
20. D. Adamović, V. G. Kac, P. Möseneder Frajria, P. Papi, O. Perše, Conformal embeddings of affine vertex algebras in minimal W-algebras II: decompositions, Japanese Journal of Mathematics, September 2017, Volume 12, Issue 2, pp 261-315
21. D. Adamović, A note on the affine vertex algebra associated to  $gl(1|1)$  at the critical level and its generalizations, Rad HAZU, Matematičke znanosti, Vol. 21(2017), 75-87. (special issue in honor of Sibe Mardešić).
22. D. Adamović, V. G. Kac, P. Möseneder Frajria, P. Papi, O. Perše, Conformal embeddings of affine vertex algebras in minimal W-algebras I: structural results, Journal of Algebra Volume 500, 15 April 2018, Pages 117-152
23. D. Adamović, N. Jing, K.C. Misra, On principal realization of modules for the affine Lie algebra  $A_1^{(1)}$  at the critical level, Transactions of the American Mathematical Society 369 (2017), 5113-5136.
24. D. Adamović, G. Radobolja, On free field realization of  $W(2,2)$ -modules, SIGMA 12 (2016), 113, 13 pages.
25. D. Adamović, V. G. Kac, P. Möseneder Frajria, P. Papi, O. Perše, Finite vs infinite decompositions in conformal embeddings, Communications in Mathematical Physics 348 (2016) 445-473.
26. D. Adamović, A. Milas, Some applications and constructions of intertwining operators in LCFT, Contemporary Mathematics 695, 15-27; arXiv:1605.05561 [math.QA].
27. D. Adamović, O. Perše, On extensions of affine vertex algebras at half integer levels, Perspectives in Lie Theory pp 281-298.
28. D. Adamović, R. Lu, K. Zhao, Whittaker modules for the affine Lie algebra  $A_1^{(1)}$ , Advances in Mathematics 289 (2016) 438-479.
29. D. Adamović, A realization of certain modules for the  $N=4$  superconformal algebra and the affine Lie algebra  $A_2(1)$ , Transformation Groups, Vol. 21, No. 2 (2016) 299-327.
30. D. Adamović, X. Lin, A. Milas, Vertex Algebras  $W(p)^{A_m}$  and  $W(p)^{D_m}$  and Constant Term Identities, SIGMA 11 (2015), 019, 16 pages.
31. D. Adamović, G. Radobolja, Free field realization of the twisted Heisenberg-Virasoro algebra at level zero and its applications, Journal of Pure and Applied Algebra 219 (10) 2015, pp. 4322-4342.
32. D. Adamović, A classification of irreducible Wakimoto modules for the affine Lie algebra  $A_1^{(1)}$ , Contemporary Mathematics 623 2014, pp. 1-12.
33. D. Adamović, X. Lin, A. Milas, ADE subalgebras of the triplet vertex algebra  $W(p)$ : D-series, Int. J. Math. 25, 1450001 (2014) [34 pages].
34. D. Adamović, A. Milas, Vertex operator superalgebras and LCFT Journal of Physics A: Mathematical and Theoretical. 46 (2013) , 49; 494005, Special Issue on Logarithmic conformal field theory .

35. D. Adamović, X. Lin, A. Milas, ADE subalgebras of the triplet vertex algebra  $W(p)$ : A-series, Commun. Contemp. Math. 15, 1350028 (2013) [30 pages].
36. D. Adamović, A. Milas, The doublet vertex operator superalgebras  $A(p)$  and  $A_{2,p}$ , Contemporary Mathematics 602 (2013) 23-38
37. D. Adamović, O. Perše, Fusion rules and complete reducibility of certain modules for affine Lie algebras, Journal of algebra and its applications 13, 1350062 (2014) (18 pages)
38. D. Adamović, A. Milas,  $C_2$ -cofinite vertex algebras and their logarithmic modules, in Conformal field theories and tensor categories, Mathematical Lectures from Peking University 2014, 249-270
39. D. Adamović, O. Perše, The Vertex Algebra  $M(1)^+$  and Certain Affine Vertex Algebras of Level  $-1$ , SIGMA 8 (2012), 040, 16 pages
40. D. Adamović, A. Milas, An explicit realization of logarithmic modules for the vertex operator algebra  $W_{p,p'}$ , Journal of Mathematical Physics 073511 (2012), 16 pages
41. D. Adamović, A. Milas, On  $W$ -algebra extensions of  $(2, p)$  Minimal Models:  $p > 3$  Journal of Algebra 344 (2011) 313-332
42. D. Adamović, O. Perše, Some general results on conformal embeddings of affine vertex operator algebras, Algebr. Represent. Theory 16 (2013), no. 1, 51-64
43. D. Adamović, A. Milas The structure of Zhu's algebras for certain  $W$ -algebras, Advances in Mathematics 227 (2011) 2425-2456
44. D. Adamović, A. Milas, On  $W$ -Algebras Associated to  $(2, p)$  Minimal Models and Their Representations International Mathematics Research Notices 2010 (2010) 20 : 3896-3934
45. D. Adamović, O. Perše, On coset vertex algebras with central charge 1, Mathematical Communications 15 (2010) 143-157
46. D. Adamović, A. Milas, Lattice construction of logarithmic modules for certain vertex algebras Selecta Mathematica, New Series 15 (2009) 535-561
47. D. Adamović, A. Milas, An analogue of modular BPZ equation in logarithmic (super)conformal field theory, Contemporary Mathematics 497 (2009) 1-16
48. D. Adamović, A. Milas, The  $N=1$  triplet vertex operator superalgebras : twisted sector , SIGMA 4 (2008), 087, 24 pages, Contribution to the Special Issue on Kac-Moody Algebras and Applications
49. D. Adamović, A. Milas, The  $N=1$  triplet vertex operator superalgebras, Communications in Mathematical Physics 288 (2009) 225-270
50. D. Adamović, A. Milas, On the triplet vertex algebra  $W(p)$ , Advances in Mathematics 217 (2008) 2664-2699
51. D. Adamović, O. Perse, Representations of certain non-rational vertex operator algebras of affine type , Journal of Algebra 319 (2008) 2434-2450
52. D. Adamović, A. Milas, Logarithmic intertwining operators and  $W(2, 2p - 1)$ -algebras , Journal of Mathematical Physics 073503 (2007) (20 pp)
53. D. Adamović, A family of regular vertex operator algebras with two generators , Central European Journal of Mathematics 5 (2007) 1-18
54. D. Adamović , Lie superalgebras and irreducibility of  $A_1^{(1)}$ - modules at the critical level , Communications in Mathematical Physics 270 (2007) 141-161
55. D. Adamović, A construction of admissible  $A_1^{(1)}$ -modules of level  $-\frac{4}{3}$ , Journal of Pure and Applied Algebra 196 (2005) 119-134
56. D. Adamović, An application of  $U(\mathfrak{g})$ -bimodules to representation theory of affine Lie algebras, Algebras and Representation theory 7 (2004) 457-469
57. D. Adamović, Regularity of certain vertex operator superalgebras. Kac-Moody Lie algebras and related topics, 1-16, Contemp. Math., 343, Amer. Math. Soc., Providence, RI, 2004



58. D. Adamović Classification of irreducible modules of certain subalgebras of free boson vertex algebra , Journal of Algebra 270 (2003) 115-132
59. D. Adamović, A construction of some ideals in affine vertex algebras, International Journal of Mathematics and Mathematical Sciences, 2003:15, (2003) 971-980
60. D. Adamović, Vertex algebra approach to fusion rules for  $N=2$  superconformal minimal models , Journal of Algebra 239 (2001) 549-572
61. D. Adamović, Representations of the vertex algebra  $W_{1+\infty}$  with a negative integer central charge, Communications in Algebra 29(7) (2001) 3153-3166,
62. D. Adamović, Representations of the  $N=2$  superconformal vertex algebra, International Mathematics Research Notices (1999), 61-79,
63. D. Adamović, Representations of vertex algebras, Mathematical Communications 3 (1998), 109-114
64. D. Adamovic, Rationality of Neveu-Schwarz vertex operator superalgebras, International Mathematics Research Notices (1997), 865-875 .
65. D. Adamović, Vertex operator algebras and irreducibility of certain modules for affine Lie algebras, Mathematical Research Letters 4 (1997), 809-821
66. D. Adamović, New irreducible modules for affine Lie algebras at the critical level, International Mathematics Research Notices (1996), 253-262
67. D. Adamović, On vertex algebras associated to representations of affine Lie algebras, Grazer Mathematische Berichte 328 (1996), 1-10.
68. D. Adamović, A. Milas, Vertex operator algebras associated to modular invariant representations for  $A_1^{(1)}$ , Mathematical Research Letters 2 (1995) , 563-575
69. D. Adamović, Some rational vertex algebras, Glasnik Matematicki 29(49) (1994), 25–40.

## Preprints

1. D. Adamović, V. Pedić, Whittaker modules for  $\widehat{gl}$  and  $W_{1+\infty}$ -modules which are not tensor products, arXiv:2112.08725
2. D. Adamović, T. Creutzig, N. Genra Relaxed and logarithmic modules of  $\widehat{sl}(3)$ , arXiv:2110.15203
3. D. Adamović, Q. Wang, A duality between vertex superalgebras  $L_{-3/2}(osp(1|2))$  and  $\mathcal{V}^{(2)}$  and generalizations to logarithmic vertex algebras, arXiv:2109.06475
4. D. Adamović, P. Möseneder Frajria, P. Papi, On the semisimplicity of the category  $KL_k$  for affine Lie superalgebras, arXiv:2107.12105 [math.RT]

## Refereeing

1. Advances in Mathematics
2. Algebra and Number Theory
3. Bulletin of the London Mathematical Society
4. Cambridge Journal of Mathematics
5. Communications in Mathematical Physics
6. Communications in Contemporary Mathematics
7. Duke Math. Journal
8. Transformation Groups
9. International Mathematics Research Notices
10. Mathematische Zeitschrift
11. Journal of AMS
12. Journal of EMS

13. Journal of Algebra
14. Journal of the London Mathematical Society
15. Communications in Algebra
16. Journal of Mathematical Physics
17. Letters in Mathematical Physics
18. Nuclear Physics B
19. Glasgow Journal of Mathematics
20. Journal of Physics A, Mathematical and Theoretical
21. Representation Theory
22. SIGMA
23. Selecta Mathematica NS
24. Glasnik Matematički
25. Mathematical Communications
26. Central European Journal of Mathematics
27. Sao Paolo Journal of Mathematics
28. Frontiers of Mathematics in China
29. Journal of Combinatorial Theory, Series A