

CURRICULUM VITAE

DR DAVID RIDOUT
OCTOBER 25, 2024

1. PERSONAL DETAILS

Full Name: David Ridout
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Current Position: Professor (continuing)
Address (work): School of Mathematics and Statistics,
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Parkville, Victoria 3010, Australia.
Phone: +61 3 8344 5534
Citizenship: Australian
Membership: Australian Mathematical Society
Australian and New Zealand Association of Mathematical Physics

2. EDUCATION AND EMPLOYMENT

Oct. 2022–Nov. 2022 Simons–CRM Professor, Université de Montréal.
Feb. 2021–Mar. 2025 ARC Future Fellow, University of Melbourne.
Jun.–Jul. 2018 Simons–CRM Professor, Université de Montréal.
Jan. 2017–Dec. 2019 ACEMS Distinguished Research Fellow, University of Melbourne.
Mar. 2016– Mathematics Lecturer (continuing), University of Melbourne.
Jan. 2014 AMSI Lecturer, Australian National University.
Jul.–Nov. 2013 Mathematics Lecturer, Australian National University.
Jul.–Nov. 2012 Mathematics Lecturer, Australian National University.
Sep. 2010–Mar. 2016 Australian Research Fellow, Australian National University.
Sep. 2009–Aug. 2010 CRM Postdoctoral Fellow, Université de Montréal.
Supervisor: Yvan Saint-Aubin
Sep. 2009–Apr. 2010 Mathematics Lecturer, McGill University, Montréal.
Oct. 2007–Aug. 2009 Marie Curie Postdoctoral Fellow, DESY Hamburg.
Supervisor: Jörg Teschner
Sep. 2005–Sep. 2007 NSERC Postdoctoral Researcher, Université Laval.
Supervisor: Pierre Mathieu
Mar. 2001–Feb. 2005 PhD (Physics), University of Adelaide.
Supervisor: Peter Bouwknegt;
Conferred: Dec. 22, 2005.
Mar. 1999–Feb. 2001 MSc (Mathematics), University of Western Australia.
Supervisors: Kevin Judd, Alistair Mees and Gary Froyland;
Conferred: May 27, 2002.
Feb. 1994–Jun. 1998 BSc Hons. (Mathematics/Physics), Murdoch University.
Supervisors: Ken Harrison and Andris Stelbovics;
Conferred: Sep. 16, 1998.

3. GRANTS AND AWARDS (SELECTION)

- 2023** Winner of the inaugural Rodney Baxter Prize for Mathematical Physics.
- 2022** NSF Grant DMS-2228888, *Quantum Symmetries* (\$39,000 USD).
- 2021** ARC Grant DP210101502, *Proving the Landau–Ginzburg/Conformal Field Theory Correspondence* (\$395,311).
- 2020** ARC Future Fellowship FT200100431, *Logarithmic Conformal Field Theory and the 4D/2D Correspondence* (\$909,109).
- 2020** University of Melbourne Establishment Grant (\$320,000).
- 2020** Maths and Stats Visiting Fellowship for Prof. Dražen Adamović (Zagreb) to visit for four weeks (\$8,500).
- 2019** Maths and Stats Visiting Fellowship for Dr Shashank Kanade (Denver) to visit for six weeks (\$9,000).
- 2017** Endeavour Fellowship (postdoctoral) for Dr Shashank Kanade to visit for four months (\$40,000).
- 2016:** ARC Grant DP160101520, *Towards Higher Rank Logarithmic Conformal Field Theories* (\$444 216), Lead CI.
- 2015** MSRVP Awards for Professors Jürgen Fuchs, Matthias Gaberdiel, Geoffrey Mason and Alexei Semikhatov to visit the ANU for two to four weeks (\$14 000).
- 2010:** ARC Grant DP1093910, *Indecomposable Structure in Representation Theory and Logarithmic Conformal Field Theory* (\$631 660), Sole CI.
- 2009:** Postdoctoral Fellowship, Centre de Recherches Mathématiques, Canada.
- 2007:** Postdoctoral Fellowship, Pacific Institute for the Mathematical Sciences, Canada (declined).
- 2007:** Marie Curie Postdoctoral Fellowship, DESY Theory Group, Germany.
- 2005:** Postdoctoral Fellowship, Université Laval, Canada.
- 2001:** National Adelaide Research Scholarship, University of Adelaide.
- 1999:** Jean Rogerson Scholarship, University of Western Australia.
- 1997:** University Medal (4 awarded per year), Murdoch University.

4. TEACHING

UNIVERSITY OF MELBOURNE

- MAST90132:** Lie Algebras (36hrs), 2019, 2023 (coordinator only).
- MAST30031:** Methods of Mathematical Physics (36hrs), 2018, 2020.
- MAST20030:** Differential Equations (36hrs), 2016–19.
- MAST10007:** Linear Algebra (36hrs), 2017.
- Graduate seminars:** Representations of affine \mathfrak{sl}_2 (organiser and lecturer), 2024.
 Nilpotent orbits in semisimple Lie algebras (organiser), 2023.
 The LG/CFT correspondence (organiser and lecturer), 2021–22.
 String theory (organiser), 2019–20.
 Advanced CFT (organiser and lecturer), 2018.
 Fusion club (organiser and lecturer), 2017.
 W-Algebras (organiser and lecturer), 2016.
 Topological Recursion and CFT (lecturer), 2016.

AUSTRALIAN NATIONAL UNIVERSITY

- PHYS4004:** Equilibrium Statistical Mechanics (17hrs), 2015.
- MATH3351:** Topics in Mathematical Physics (20hrs), 2011 (Lie Algebras).
 Topics in Mathematical Physics (18hrs), 2013 (Conformal Field Theory).
- MATH3349:** Lie Algebras and their Representations (18hrs), 2014.
- MATH1113:** Mathematical Foundations for Actuarial Studies (26hrs), 2012, 2013.
- Reading courses:** Lie Algebras and Representations, 2012 (x3), 2013 (x2).
 String Theory, 2011, 2012, 2013 (x2).

OTHER

- Wuhan CAS:** Conformal Field Theory for Beginners (12hrs), 2014 and 2019.
- AMSI:** An Introduction to Conformal Field Theory for Mathematicians (14hrs), 2014.
- McGill U:** MATH270 Applied Linear Algebra (39 hrs), 2010.
- McGill U:** MATH262 Intermediate Calculus (39hrs), 2009.

5. SUPERVISION

- PostDoc:** Justine Fasquel (2023–25) ARC Future Fellowship.
 Zachary Fehily (2023–24) ARC Discovery Project.
 Kazuya Kawasetsu (2017–19) ARC Discovery Project.
 Shashank Kanade (April–July 2017) Endeavour Fellowship.
 Simon Wood (2014–2016) ARC DECRA.
- PhD:** Damodar Rajbhandari (2023–??).
 Ethan Fursman (2022–??).
 Zachary Fehily (2018–22) — *Subregular W -algebras*.
 Christopher Raymond (2016–20) — *Algebraic aspects of conformal field theory* (cosupervised with Jørgen Rasmussen).
 Tianshu Liu (2015–19) — *Coset construction for the $N = 2$ and affine $\mathfrak{osp}(1|2)$ minimal models*.
 Steve Siu (2014–19) — *Singular vectors for the W_N algebras and the BRST cohomology for relaxed highest-weight $L_k(\mathfrak{sl}(2))$ modules*.
 John Snadden (2014–2017) — *An admissible level $\mathfrak{osp}(1|2)$ minimal model*.
 Michael Cromer (2013–19) — *Free field realisations in logarithmic conformal field theory* (cosupervised with Peter Bouwknegt).
 Michael Canagasabey (2012–2016) — *Fusion rules in logarithmic superconformal minimal models*.
- MPhil:** William Stewart (2018–19) — *The Nappi–Witten model as a logarithmic conformal field theory*.
- MSc:** Peter Karapalidis (2024–25).
 James Brooks (2022–23) — *Holonomies in quantum systems under adiabatic processes*.
 Albert Griggs (2021–22) — *Conformal field theory and vertex operator algebras*.
 Xueting Li (2021–22) — *The bosonic ghost system in conformal field theory*.
 Benjamin Gerraty (2020–21) — *The structure constants of the minimal models*.
 Daniel Tan (2019–20) — *Vertex operator algebras, modular tensor categories and a Kazhdan–Lusztig correspondence at non-negative integer level*.
 Tyson Field (2017–2018) — *Wess–Zumino–Witten models and the Knizhnik–Zamolodchikov equations*.
 William Stewart (2016–2017) — *On the twisted sector of WZW models*.
- Hons:** Matthew Geleta (2015) — *The Coulomb gas formalism in conformal field theory*.
 Tianshu Liu (2014) — *The boson-fermion correspondence and its applications*.
 Hiroyuki Nagamine (2012–2013) — *An introduction to string theory*.
- Summer:** Ari Geor, James Lonnen (2025).
 Dan Greenham, Peter Karapalidis, Ming Li Wong (2024).
 David Chen (2021).
 Bridget Gatt, Eric Ma, Steven Xu (2020).
 Steven Xu (2019).
 Lukas Anagnostou, Daniel Tan (2018).
 Madeleine Johnson (2017).
 Lawrence Dam, Thao Le, Scott Melville (2015).
 Hadleigh Frost (2014).
 James Bonafacio, James Fletcher, Elisabeth Kava (2012).
 Steven Sammut (2011).

6. THESIS EXAMINATION

- 2023:** James Brooks (MSc, Math. Phys. & Theoret. Phys.), Yuhan Gai (MSc, Math. Phys.);
2022: Ben Allen (Hons, Pure Math.), Albert Griggs (MSc, Math. Phys.), Xueting Li (MSc, Math. Phys.);
2021: Ben Gerraty (MSc, Math. Phys.);
2020: Nick Evans (MSc, Math. Phys.), Weiying Guo (MSc, Pure Math.), Tamara Hogan (MSc, Pure Math.), Daniel Tan (MSc, Math. Phys.);
2018: Tyson Field (MSc, Math. Phys.), Albert Zhang (MSc, Pure Math.);
2017: William Stewart (MSc, Math. Phys.), Anupama Pilbrow (MSc, Pure Math.);
2016: Damon Binder (Hons, Nucl. Phys.);
2015: Ellen McRae (Hons, Nucl. Phys.);
2014: Simon Villani (PhD, Math. Phys.), Joshua Chen (Hons, Pure Math.), Gleb Kotousov (Hons, Theor. Phys.), Jack Muir (Hons, Geophys.);
2013: Robert Walker (Hons, Theor. Phys.).

7. ACADEMIC VISITORS

- 2025:** Vyacheslav Futorny (20–24/1);
2024: Vyacheslav Futorny (28/1–4/2), Catherine Meusburger (10–17/2), Harini Desiraju (27/2–1/3), Alex Sherman (14–17/5), Christoph Schweigert (14–29/11), Ivan Angiono (18–29/11), Ana Kontrec (18–28/11), Robert McRae (18–29/11), Monique Muller (18–29/11), Shashank Kanade (21/11–6/12);
2023: Vladimir Kazakov (17–24/3), Kazuya Kawasetsu (23–29/3), Chris Raymond (1–5/5 & 10–14/7), Peter Bouwknecht (8–12/5), Naoki Genra (1–20/5), Shigenori Nakatsuka (3/7–3/8), Drazen Adamović (20/7–16/8), Madeline Nurcombe (6–8/11);
2022: Pedram Hekmati (9–20/5), Chris Raymond (5–9/9);
2019: Kevin Coulebier (28/10–1/11), Shashank Kanade (26/6–4/8), Chris Raymond (8–21/2), Jethro van Ekeren (21–23/1);
2018: Nahmee Kwon (17/12 – 24/1/2019), Simon Wood (7–18/5), Terry Gannon (2–10/4);
2017: David McGady (23–27/9), Guo Chuan Thiang (1–4/9), Azat Gainutdinov (17–19/7), Simon Wood (22–26/5);
2016: Jorgen Rasmussen (23/11–2/12), Shashank Kanade (21/11–2/12), David McGady (11/11), Kenji Iohara (31/10–2/11), Thomas Creutzig (6/2–4/4);
2015: Yanagida Shintaro (23–27/11), Aliosha Semikhatov (12/7–1/8), Ingo Runkel (12–25/7), Azat Gainutdinov (12–25/7), Yvan Saint-Aubin (12–20/7), Chris Marks (12–19/7), Terry Gannon (11–22/7), Geoff Mason (10–24/7), Paul Pearce (8–18/7), Thomas Creutzig (6–18/7), Matthias Gaberdiel (5–18/7), Jürgen Fuchs (28/6–18/7);
2014: Terry Gannon (3–4/11), Jorgen Rasmussen (30/9–2/10), Pedram Hekmati (5–8/5);
2013: Simon Wood (2–20/12), Alexi Morin-Duchesne (12–19/5), Tomoyuki Arakawa (9–11/5), Yvan Saint-Aubin (17/2–14/6);
2012: Yvan Saint-Aubin (25/3–15/4), Simon Wood (29/2–13/3), Thomas Creutzig (15/2–6/3).

8. GRANT REVIEWS AND PRIZES

- Anne Bennett Prize, London Mathematical Society, UK
- Australian Research Council (ARC), Australia
- Fondecyt Research Initiation Project Competition, Chile
- German Academic Exchange Service (DAAD), Germany
- German Research Foundation (DFG), Germany
- National Science Centre (NCN), Poland
- Netherlands Organisation for Scientific Research (NWO), the Netherlands
- Newton International Fellowships, Royal Society, UK
- Swiss National Science Foundation (SNSF), Switzerland

9. PROFESSIONAL SERVICE

- Chair of the Australian and New Zealand Association of Mathematical Physics, 2020–21.
- Secretary of the Australian and New Zealand Association of Mathematical Physics, 2016–19.
- Vice President (ex officio) of the Steering Committee of the Australian Mathematical Society, 2020–21.
- Ordinary Member of the Council of the Australian Mathematical Society, 2018–20.
- Guest editor for a special issue *Quantum symmetries* of Contemporary Mathematics, to appear in 2025.
- Guest editor for a special issue *Logarithmic Conformal Field Theory* of the Journal of Physics, A46:490301, 2013.
- Director of Postgraduate Teaching, UMelb (School), 2021–22.
- Director of Undergraduate Teaching, UMelb (School), 2019–21.
- Member of the Graduate Academic Programs Committee, UMelb (Faculty), 2021–22.
- Member of the RHD Admissions Committee, UMelb (Faculty), 2021, 2023.
- Member of the Management Committee, UMelb (School), 2021–22.
- Chair of the Postgraduate Programs Committee, UMelb (School), 2021–22.
- Member of the Undergraduate Studies Committee, UMelb (School), 2016–21.
- Chair of a fixed-term lectureship Selection Panel, UMelb (School), 2021.
- Member of a continuing lectureship Selection Panel, UMelb (School), 2018.
- BSc Mathematics and Statistics Major Coordinator, UMelb (School), 2017–19.
- Diploma in Mathematical Sciences Coordinator, UMelb, July–October, 2017.
- ERA2018 Discipline Leader for Mathematical Physics, FoR code 0105.
- Seminar convenor for the Mathematical Physics group, UMelb, 2017–19.
- Member of the MSc Mathematics and Statistics Review Committee, 2017–19.
- Member of the Physics Education Committee for curriculum reform, ANU, 2014.
- Member of the committee to decide the Jagadishwar Mahanty PhD Thesis Prize, ANU, 2014.
- Education officer for the Department of Theoretical Physics, ANU, 2014–16.
- Seminar convenor for the Department of Theoretical Physics, ANU, 2013–16.
- Outreach officer for the Department of Theoretical Physics, ANU, 2011–14.
- Member of the judging committee for the Tony Guttmann Prize for best student talk at the 2012, 2013, 2014, 2015 (chair) and 2021 ANZAMP congresses.
- Judge for the B H Neumann Prize for best student talk at AustMS in 2013 and 2021.

10. CONFERENCE ORGANISATION

- Chair of the Program Committee for the 11th ANZAMP meeting, 2025.
- Chair of the organising committee for “*Tensor categories, quantum symmetries and mathematical physics*”, MATRIX Creswick, 18–29/11/2024.
- Co-organiser of String Math 2023, UMelb, 10–14/7/2023.
- Co-organiser of the 10th ANZAMP meeting, Hobart, 7–9/2/2023.
- Member of the Program Advisory Board for the 66th AustMS meeting, UNSW, 5–9/12/2022.
- Principal organiser of the CRM concentration month “*Quantum Symmetries*”, Montréal, 10/10–4/11/2022.
- Co-organiser of the 9th ANZAMP meeting, Melbourne, February 2022.
- Co-organiser of “*The Mathematics of Conformal Field Theory II*”, ANU, 7–10/7/2021.
- Principal organiser for a workshop in honour of Peter Bouwknegt’s 60th birthday, ANU, 6/7/2021.
- Co-organiser of the CMO–BIRS workshop “*Geometric and Categorical Aspects of CFTs*”, Oaxaca, 24–28/9/2018.
- Co-organiser of CRM workshop “*Algebraic Methods in Mathematical Physics*”, Montréal, 16–20/7/2018.
- Chair of the organising committee for “*Tensor Categories and Field Theory*”, UMelb, 5–9/6/2017.
- Special session organiser (Mathematical Physics) for the 60th AustMS meeting, ANU, 5–8/12/2016.
- Special session organiser (Formal Field and String Theory) for SUSY 2016, UMelb, 4–8/7/2016.
- Member of the Programme Committee for the 4th ANZAMP congress, Newcastle, 9–11/12/2015.
- Special session organiser (Mathematical Physics) for the 59th AustMS meeting, Flinders, 28/9–1/10/2015.
- Chair of the organising committee for “*The Mathematics of Conformal Field Theory*”, ANU, 13–17/7/2015.
- Co-organiser of the ANU special year “*Geometry and Physics*”, 2015.
- Co-organiser of the “*2nd Asia-Pacific Summer School in Mathematical Physics*”, ANU, 12–16/12/2011.

11. REVIEWING

- Analysis and Mathematical Physics.
- Annales Henri Poincaré.
- Canadian Journal of Physics.
- Communications in Contemporary Mathematics.
- Communications in Mathematical Physics.
- Contemporary Mathematics.
- International Mathematics Research Notices.
- Inventiones Mathematicae.
- Israel Journal of Mathematics
- Journal für die Reine und Angewandte Mathematik.
- Journal of Algebra.
- Journal of Algebra and its Applications.
- Journal of Combinatorial Theory A.
- Journal of Geometry and Physics.
- Journal of High Energy Physics.
- Journal of Integrable Systems.
- Journal of Mathematical Physics.
- Journal of Physics A.
- Journal of Pure and Applied Algebra.
- Journal of the London Mathematical Society.
- Letters in Mathematical Physics.
- MathSciNet Mathematical Reviews.
- Nuclear Physics B (valued reviewer awards in 2011, 2012 (twice!), 2013 and 2014).
- p-Adic Numbers, Ultrametric Analysis and Applications.
- Proceedings A of the Royal Society of Edinburgh.
- Proceedings of the London Mathematical Society.
- Reviews in Mathematical Physics.
- SciPost Physics.
- Systems and Control Letters.
- Transactions of the American Mathematical Society.
- Transformation Groups.
- zbMATH Open (Zentralblatt MATH).

12. SEMINARS (A SELECTION)

- 7/12/2023:** *In which Physics demands new Mathematics*, Plenary seminar — 67th AustMS Meeting, University of Queensland, Brisbane.
- 17/11/2023:** *Logarithmic Kazhdan–Lusztig correspondences*, Invited seminar — University of Sydney, Sydney.
- 11/9/2023:** *Modularity beyond category \mathcal{O}* , Invited seminar — Supersymmetric Quantum Field Theory and Mathematics, Pollica Physics Centre, Pollica, Italy.
- 25/8/2023:** *The modular machine -OR- Even number theory is secretly physics*, Highlights of Mathematical Physics, UMelb.
- 26/6/2023:** *Inverse quantum hamiltonian reduction: a primer*, Plenary seminar — Representation Theory XVIII, Dubrovnik.
- 9/2/2023:** *Reducible but indecomposable*, Plenary seminar — 10th ANZAMP Congress, Hobart.
- 6/10/2022:** *Reducible but indecomposable — for Yvan Saint-Aubin, in celebration of his retirement*, Invited seminar — Integrable systems, exactly solvable models and algebras, Centre de Recherches Mathématiques, Montréal.
- 4/10/2022:** *A higher-rank logarithmic Kazhdan–Lusztig correspondence*, Invited seminar — Representation Theory XVII, Dubrovnik.
- 2/9/2022:** *WZW models — integer and fractional levels*, Invited seminar — University of Adelaide, Adelaide.
- 21/3/2022:** *Exploring higher-rank logarithmic vertex operator algebras*, Invited seminar — Representation theory, Vertex and Chiral Algebras, IMPA, Rio de Janeiro, Brazil.

- 24/2/2022:** *Vertex algebras and modularity*, Invited lecture — Frontiers in Representation Theory, MATRIX.
- 8/12/2021:** *A Kazhdan–Lusztig correspondence for a vertex algebra associated to \mathfrak{sl}_3* , 65th AustMS Meeting, University of Newcastle.
- 1/11/2021:** *Relaxed modules and logarithmic CFT*, Invited seminar — Quantum Field Theories and Quantum Topology Beyond Semisimplicity, Banff, Canada.
- 20/9/2021:** *Inverse quantum hamiltonian reduction*, Invited seminar — The Art of Mathematical Physics (in honour of Hubert Saleur’s 60th), Institut de Physique Théorique, CEA-Saclay, France.
- 19/8/2021:** *The spectral theorem*, Highlights of Mathematical Physics, UMelb.
- 7/5/2021:** *Weight modules for \mathfrak{sl}_3 minimal models*, Rocky Mountain Representation Theory Seminar.
- 4/12/2020:** *The Nappi–Witten model as a logarithmic CFT*, Invited seminar — ANZ String Theory Seminar.
- 12/10/2020:** *A tale of monstrous moonshine*, Highlights of Mathematical Physics, UMelb.
- 25/6/2020:** *A new approach to W-algebras*, Invited seminar — Geometry, Algebra, Mathematical Physics and Topology Seminar, Cardiff University.
- 18/5/2020:** *Bosonic ghosts: modularity for a non-rational CFT*, Invited seminar — University of Tokyo.
- 5/2/2020:** *Fractional-level WZW models*, Seminar — 8th ANZAMP Congress, Tweed Heads.
- 4/12/2019:** *Representations of affine vertex algebras: beyond category \mathcal{O}* , 63rd AustMS Meeting, Monash University, 4/12/2019.
- 19/8/2019:** *Representations of affine vertex algebras*, Invited seminar — Vertex Operator Algebras and Related Topics, Sichuan University, Chengdu, China.
- 14/6/2019:** *Representations of affine vertex algebras*, Invited seminar — The Mathematical Foundations of Conformal Field Theory and Related Topics, Chern Institute of Mathematics, Tianjin, China.
- 2/5/2019:** *A higher-rank fractional-level affine VOA*, Invited seminar — Edmonton Vertex Algebras and Conformal Field Theories, University of Alberta, Canada.
- 4/2/2019:** *Modularity beyond rationality*, Invited seminar — Subfactors in Sydney, Sydney.
- 23/11/2018:** *A “higher-rank” fractional-level Wess–Zumino–Witten model*, Invited seminar — Workshop on Vertex Algebras and Infinite-Dimensional Lie Algebras, Split, Croatia.
- 20/11/2018:** *Representations of affine vertex algebras*, Invited seminar — University of Zagreb, Croatia.
- 24/7/2018:** *An introduction to logarithmic conformal field theory*, Invited seminar — XIX International Congress on Mathematical Physics, Montréal, Canada.
- 14/6/2018:** *Relaxed modules for affine vertex algebras*, Invited seminar — Vertex Operator Algebras, Number Theory and Related Topics, Sacramento, USA.
- 1/6/2018:** *Relaxed Highest-Weight Modules over Affine VOAs*, Invited seminar — Research Institute for Mathematical Sciences, Kyoto, Japan.
- 12/12/2017:** *Towards Higher Rank Logarithmic CFTs*, Invited seminar — Affine, Vertex and W-algebras, INdAM Rome, Italy.
- 12/9/2017:** *\mathfrak{sl}_3 Weight Modules and Higher Rank Logarithmic CFT*, Invited seminar — String Geometries and Dualities, UAdel.
- 15/12/2016:** *Schur–Weyl duality for Heisenberg Cosets*, Invited seminar — String Geometries and Dualities, IMPA, Rio de Janeiro, Brazil.
- 16/8/2015:** *Non- C_2 -Cofinite VOAs and the Verlinde Formula*, Seminar — Lie Algebras, Vertex Operator Algebras and Related Topics, University of Notre Dame, USA.
- 15/7/2014:** *Parabolic Verma Modules, Bosonic Ghost Systems and Logarithmic CFT*, Seminar — 30th International Colloquium on Group Theoretical Methods in Physics, Ghent, Belgium.
- 17/3/2014:** *Module Categories for Affine VOAs at Admissible Level*, Invited seminar — Modern Trends in Topological Field Theory, Erwin Schrödinger Institute, Vienna, Austria.
- 25/6/2013:** *The Wess–Zumino–Witten Model on $SL(2; \mathbb{R})$* , Invited seminar — 2nd PRIMA Congress, Shanghai, China.
- 9/4/2013:** *A (Working) Verlinde Formula for Fractional Level WZW Models*, Seminar — Kavli Institute for Physics, Mathematics and the Universe, Tokyo, Japan.
- 10/12/2012:** *Fractional Level Wess–Zumino–Witten Models, Modular Transformations and Verlinde Formulae*. Invited seminar — Trimester on Mathematical Physics, Hausdorff Institute for Mathematics, Bonn, Germany.
- 3/10/2011:** *$\widehat{\mathfrak{sl}}(2)_{-1/2}$, $\beta\gamma$ Ghosts and Logarithmic CFT*. Invited seminar — Logarithmic CFT and Representation Theory, Institut Henri Poincaré, Paris, France.
- 7/9/2011:** *Lectures on Indecomposable Virasoro Modules*. Invited opening lectures — Applied Conformal Field Theory and Applications, Institut Henri Poincaré, Paris, France.

13. PUBLICATIONS

13.1. Refereed Journal Publications.

- [1] D Adamović, K Kawasetsu and D Ridout,
Weight module classifications for Bershadsky–Polyakov algebras,
Communications in Contemporary Mathematics, 26:2340063, 2024, arXiv:2303.03713 [math.QA].
- [2] T Creutzig, D Ridout and M Rupert,
A Kazhdan–Lusztig correspondence for $L_{-3/2}(\mathfrak{sl}_3)$,
Communications in Mathematical Physics, 400:639–682, 2023, arXiv:2112.13167 [math.RT].
- [3] K Kawasetsu, D Ridout and S Wood,
Admissible-level \mathfrak{sl}_3 minimal models,
Letters in Mathematical Physics, 112:96, 2022, arXiv:2107.13204 [hep-th].
- [4] Z Fehily and D Ridout,
Modularity of Bershadsky–Polyakov minimal models,
Letters in Mathematical Physics, 112:46, 2022, arXiv:2110.10336 [math.QA].
- [5] C Raymond, D Ridout and J Rasmussen,
Staggered modules of $N = 2$ superconformal minimal models,
Nuclear Physics, B967:115397, 2021, arXiv:2102.05193 [hep-th].
- [6] A Babichenko, K Kawasetsu, D Ridout and W Stewart,
Representations of the Nappi–Witten vertex operator algebra,
Letters in Mathematical Physics, 111:131, 2021, arXiv:2011.14453 [math-ph].
- [7] Z Fehily, K Kawasetsu and D Ridout,
Classifying relaxed highest-weight modules for admissible-level Bershadsky–Polyakov algebras,
Communications in Mathematical Physics, 385:859–904, 2021, arXiv:2007.03917 [math.RT].
- [8] D Adamović, K Kawasetsu and 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].
- [9] T Creutzig, C Jiang, F Orosz Hunziker, D Ridout and J Yang,
Tensor Categories Arising from the Virasoro Algebra,
Advances in Mathematics, 380:107601, 2021, arXiv:2002.03180 [math.RT].
- [10] K Kawasetsu and D Ridout,
Relaxed Highest-Weight Modules II: Classifications for Affine Vertex Algebras,
Communications in Contemporary Mathematics, 24:2150037, 2022, arXiv:1906.02935 [math.RT].
- [11] T Creutzig, T Liu, D Ridout and S Wood,
Unitary and Non-Unitary $N = 2$ Minimal Models,
Journal of High Energy Physics, 1906:024, 2019, arXiv:1902.08370 [math-ph].
- [12] S Kanade and D Ridout,
NGK and HLZ: Fusion for Physicists and Mathematicians,
Affine, Vertex and W-algebras, Springer INdAM Series 37:135–181, 2019, arXiv:1812.10713 [math-ph].
- [13] T Creutzig, S Kanade, T Liu and D Ridout,
Cosets, Characters and Fusion for Admissible-Level $\mathfrak{osp}(1|2)$ Minimal Models,
Nuclear Physics, B938:22–55, 2018, arXiv:1806.09146 [hep-th].
- [14] K Kawasetsu and D Ridout,
Relaxed Highest-Weight Modules I: Rank 1 Cases,
Communications in Mathematical Physics 368:627–663, 2019, arXiv:1803.01989 [math.RT].
- [15] D Ridout, S Siu and S Wood,
Singular Vectors for the W_N Algebras,
Journal of Mathematical Physics, 59:031701, 2018, arXiv:1711.10804 [math-ph].

- [16] D Ridout, J Snadden and S Wood,
An Admissible Level $\mathfrak{osp}(1|2)$ -Model: Modular Transformations and the Verlinde Formula,
Letters in Mathematical Physics, 108:2363–2423, 2018, arXiv:1705.04006 [hep-th].
- [17] J Auger, T Creutzig and D Ridout,
Modularity of Logarithmic Parafermion Vertex Algebras,
Letters in Mathematical Physics, 108:2543–2587, 2018, arXiv:1704.05168 [math.QA].
- [18] T Creutzig, S Kanade, A Linshaw and D Ridout,
Schur–Weyl Duality for Heisenberg Cosets,
Transformation Groups, 24:301–354, 2019, arXiv:1611.00305 [math.QA].
- [19] O Blondeau-Fournier, P Mathieu, D Ridout and S Wood,
Superconformal Minimal Models and Admissible Jack Polynomials,
Advances in Mathematics, 314:71–123, 2017, arXiv:1606.04187 [hep-th].
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