

Curriculum Vitae

David Bugár

Personal Information

Name: Dávid Bugár

Affiliation: Budapest University of Technology and Economics, Institute of Mathematics, Department of Algebra and Geometry

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Previous Employments

- 2019–2020 Morgan Stanley Hungary

Education

- 2021– PhD (Mathematics), Budapest University of Technology and Economics, Supervisor: Dr. Péter Vrana
- 2018–2021 MSc (Physics), Eötvös Loránd University, Supervisor: Dr. Matteo Giordano
- 2015–2018 BSc (Physics), Supervisor: Dr. Tamás Kiss

Languages

- Hungarian (native)
- English
- Slovak

Awards and Grants

- IPHO 2015 Bronze Medal

Presentations and Conferences

- Tensors: Quantum Information, Complexity and Combinatorics, Montréal, 2022; invited talk

Journal Publications

- Bugár, D., & Vrana, P. (2025). Error Exponents for Entanglement Transformations From Degenerations. *IEEE Transactions on Information Theory*. arXiv:2409.01130, doi:10.1109/TIT.2025.3534327.
- Bugár, D., & Vrana, P. (2024). Interpolating between Rényi entanglement entropies for arbitrary bipartitions via operator geometric means. *Annales Henri Poincaré*. arXiv:2208.14438, doi:10.1007/s00023-024-01486-3.
- Bugár, D., & Vrana, P. (2024). Explicit error bounds for entanglement transformations between sparse multipartite states. *IEEE Transactions on Information Theory*. arXiv:2309.11429, doi:10.1109/TIT.2024.3383460.