

List of publications

Gergely Bunth

Budapest, June 1, 2025

1. Gergely Bunth, József Pitrik, Tamás Titkos, and Dániel Virosztek. *Wasserstein Distances and Divergences of Order p by Quantum Channels*. January 24, 2025. arXiv: 2501.08066 [math-ph]
2. Gergely Bunth, József Pitrik, Tamás Titkos, and Dániel Virosztek. “Metric Property of Quantum Wasserstein Divergences”. In: *Physical Review A* 110.2 (August 7, 2024), p. 022211. DOI: 10.1103/PhysRevA.110.022211. arXiv: 2402.13150 [math-ph, physics:quant-ph]
3. Gergely Bunth. “On Quantum Rényi Divergences”. PhD thesis. Budapest University of Technology and Economics (Hungary), 2024. DOI: <http://hdl.handle.net/10890/57305>
4. Milán Mosonyi, Gergely Bunth, and Péter Vrana. “Geometric Relative Entropies and Barycentric Rényi Divergences”. In: *Linear Algebra and its Applications* 699 (October 15, 2024), pp. 159–276. ISSN: 0024-3795. DOI: 10.1016/j.laa.2024.06.005. arXiv: 2207.14282 [quant-ph]
5. Gergely Bunth and Péter Vrana. “Equivariant Relative Submajorization”. In: *IEEE Transactions on Information Theory* 69.2 (2023), pp. 1057–1073. ISSN: 1557-9654. DOI: 10.1109/TIT.2022.3214465. arXiv: 2108.13217
6. Gergely Bunth, Gábor Maróti, Milán Mosonyi, and Zoltán Zimborás. “Super-Exponential Distinguishability of Correlated Quantum States”. In: *Letters in Mathematical Physics* 113.1 (January 11, 2023), p. 7. ISSN: 1573-0530. DOI: 10.1007/s11005-022-01620-4. arXiv: 2203.16511
7. Gergely Bunth and Péter Vrana. “Asymptotic Relative Submajorization of Multiple-State Boxes”. In: *Letters in Mathematical Physics* 111.4 (July 14, 2021), p. 94. ISSN: 1573-0530. DOI: 10.1007/s11005-021-01430-0. arXiv: 2007.11258 [quant-ph]
8. György Szabó and Gergely Bunth. “Social Dilemmas in Multistrategy Evolutionary Potential Games”. In: *Physical Review E* 97.1 (January 11, 2018), p. 012305. DOI: 10.1103/PhysRevE.97.012305