Department of Mathematics and Statistics at UNM Publications

Compiled by María Cristina Pereyra

Papers published/accepted in 2024

1. **M. D. Blair***, X. Huang, and C. D. Sogge, *Improved spectral projection estimates.* To appear in J. Eur. Math. Soc. (JEMS) (2024). Preprint arXiv:2211.17266

2. **M. D. Blair***, X. Huang, and C. D. Sogge, *Strichartz estimates for the Schrödinger equation on negatively curved compact manifolds.* J. Funct. Anal. **287**, Issue 10 (2024). https://doi.org/10.1016/j.jfa.2024.110613

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4. **A. Buium****, *Lie invariant Frobenius lifts.* J. Number Theory **259** (2024), 378–418. https://doi.org/10.1016/j.jnt.2024.01.019

5. **J. Chaudhry***, D. Estep and S. Tavener, *A posteriori error analysis for a space-time parallel discretization of parabolic partial differential equations.* Numerical Methods for Partial Differential Equations **40**, Issue 1 (2024). https://doi.org/10.1002/num.23065

6. **S.K. Alver**†, **F.G.W. Christensen***, and **J.H. Degnan***, *Improvement to GLASS/maximum tree method of species tree inference using measurement error modified single linkage clustering.* IEEE/ACM Transactions on Computational Biology and Bioinformatics (2025). https://doi.org/10.1109/TCBBIO.2025.3531790

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10. M. Kiebs, D. C. Farrar, 43 other authors, **E. B. Erhardt***, C. C. Abbot, *Electroconvulsive therapy and cognitive performance from the Global ECT MRI Research Collaboration.* Journal of Psychiatric Research **179**, 199–208 (2024). https://doi.org/10.1016/j.jpsychires.2024.09.013

11. A. Birg, H. J. van der Horn, S. G. Ryman, F. Branzoli, D. K. Deelchand, D. K. Quinn, A. R. Mayer, H. C. Lin, **E. B. Erhardt***, A. Caprihan, V, Zotev, A. N. Parada, T. V. Wick, Y. L. Matos, K. A. Barnhart, S. R. Nitschke, N. A. Shaff, K. R. Julio, H. E. Prather, and A. A. Vakhtin, *Diffusion magnetic resonance spectroscopy captures microglial reactivity related to gut-derived systemic lipopolysaccharide: A preliminary study.* Brain, Behavior, and Immunity **122**, 345–352 (2024). https://doi.org/10.1016/j.bbi.2024.08.034

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