

## Preprints and in preparation

- [1] W. Drazen, O. Eisenberg, M. Kempton, G. Lippner, Pretty good fractional revival via magnetic fields, in preparation
- [2] G. Lippner, D. Mangoubi, Strong Liouville theorem on nilpotent groups - an elementary proof, in preparation
- [3] Pim van der Hoorn, Gabor Lippner, Carlo Trugenberger, and Dmitri Krioukov. Ollivier curvature of random geometric graphs converges to Ricci curvature of their Riemannian manifolds. *To appear in Disc and Comb Geom* (2023), [arXiv](#)
- [4] Gabor Lippner and Shuang Liu. Li-Yau inequality on virtually Abelian groups. *To appear in Comm. Analysis and Geometry* **30**(2022) no. 6., [arXiv](#)
- [5] Marco Tilio Angulo, Gabor Lippner, Yang-Yu Liu, and Albert-László Barabási. Sensitivity of Complex Networks. (2016) preprint, [arXiv](#)
- [6] Gábor Elek and Gábor Lippner. An analogue of the Szemerédi Regularity Lemma for bounded degree graphs. (2008) preprint, [arXiv](#)

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- [7] Frank Bauer and Gabor Lippner. Eigenvalue sum estimates for lattice subgraphs. *Pure and Appl Math Quart* **18**(2022) no. 6, 2339 – 2353, [DOI](#)
- [8] Ada Chan, Gabriel Coutinho, Whitney Drazen, Or Eisenberg, Chris Godsil, Mark Kempton, Gabor Lippner, Christina Tamon, and Hanmeng Zhan. Fundamentals of fractional revival in graphs. *Linear Algebra and its Applications* **655**(2022) 129–158, [DOI](#), [arXiv](#)
- [9] Gabor Lippner, Dan Mangoubi, Zachary McGuirk, and Rachel Yovel. Strong convexity for harmonic functions on compact symmetric spaces. *Proc Amer Math Soc* **150**(2022) 1613–1622, [DOI](#), [arXiv](#)
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- [11] Ada Chan, Whitney Drazen, Or Eisenberg, Mark Kempton, and Gabor Lippner. Approximate quantum fractional revival in paths and cycles. *Algebraic Combinatorics* **4**(2021) no. 6, 989–1004, [DOI](#), [arXiv](#)
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- [18] Or Eisenberg, Mark Kempton, and Gabor Lippner. Pretty good quantum state transfer in asymmetric graphs via potential. *Discrete Mathematics* **342**(2019) no. 10, 2821–2833, [DOI](#), [arXiv](#).
- [19] Pim van der Hoorn, Gabor Lippner, and Dmitri Krioukov. Sparse Maximum-Entropy Random Graphs with a Given Power-Law Degree Distribution. *Journal of Statistical Physics* **173**(2017) no. 3-4, 806–844, [DOI](#), [arXiv](#).
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