Renan Lucas Fagundes publication list

[1] R. L. Fagundes, G. G. Piva, A. S. da Mata, and F. L. Ribeiro. "Street network centrality and its scaling with urban population". In: *Journal of Complex Networks* 14 (3 June 2026). DOI: 10.1093/comnet/cnag008.

[2] R. L. Fagundes, Y. Li, F. L. Ribeiro, and D. Rybski. "A Review of Percolation-like Transitions in Cities and Landscapes". In: *Findings* (Dec. 2025). DOI: 10.32866/001c.150358.

[3] F. L. Ribeiro, R. L. Fagundes, and D. Rybski. "One-dimensional urban scaling". In: *Environment and Planning B: Urban Analytics and City Science* (2025), p. 23998083251348682. DOI: 10.1177/23998083251348682.

[4] A. Deppman, R. L. Fagundes, E.Megias, R. Pasechnik, F. L. Ribeiro, and C. Tsallis. "Nonlinear dynamics approach to urban scaling". In: *Chaos, Solitons & Fractals* 191 (2024), p. 10. DOI: 10.1016/j.chaos.2024.115877.

Preprint

[5] M. Schorcht, M. Behnisch, L. T. Beumer, A.-K. Brenner, R. L. Fagundes, T. Krüger, T. Müller, W. Xu, and D. Rybski. "Settlement percolation: Global maps of critical distances". In: *arXiv preprint arXiv:2603.04439* (2026). URL: https://doi.org/10.48550/arXiv.2603.04439.

[6] R. Fagundes, G. Piva, A. Mata, and F. Ribeiro. "Scaling of street network centrality with city population". In: *arXiv preprint arXiv:2502.12006* (2025). URL: https://doi.org/10.48550/arXiv.2502.12006.

[7] A. Deppman, R. L. Fagundes, E. Megias, R. Pasechnik, F. Ribeiro, and C. Tsallis. "Dynamics of cities". In: *arXiv preprint arXiv:2407.12681* (2024). URL: https://doi.org/10.1016/j.chaos.2024.115877.

Masters Thesis

[8] R. L. Fagundes. "Multifractal analysis of the street network and population: 15 largest brazilian cities". Dissertation (Master in Physics)–Universidade Federal de Lavras, Lavras. Supervisor: Prof. Dr. Fabiano Lemes Ribeiro. 2024, p. 144. URL: https://repositorio.ufla.br/handle/1/58995.

Bachelor's Thesis

[9] R. L. Fagundes. "Formalismo Algébrico-Geométrico das Equações de Maxwell: Unificação e Consequências". Trabalho de conclusão de curso (Licenciatura em Física)–Universidade Federal de Lavras, Lavras. Orientador: Prof. Dr. Rodrigo Santos Bufalo. 2021, p. 111. URL: https://spaces-cdn.owlstown.com/blobs/qilksjp9w02tr329czflrx8j26vi.