

Lista de referências para o tópico “Teoria dos grafos”

a) **Grafos discretos:**

1. B. Arsić et al., Graph spectral techniques in Computer Sciences, *Applicable Analysis and Discrete Mathematics*, 6 (2012), 1-30.
2. F. Chung, *Spectral Graph Theory*, American Mathematical Society, Providence, 1997.

b) **Grafos quânticos:**

1. G. Berkolaiko, P. Kuchment, *Introduction to Quantum Graphs*, Mathematical Surveys and Monographs, AMS, 2012.
2. P. Kuchment, Quantum graphs I. Some basic structures, *Waves Random Media*, 14 (2004): S107-S128.
3. P. Kuchment, Quantum graphs II. Some spectral properties of quantum and combinatorial graphs. *J. Phys. A: Math. Gen.*, 38 (2005), 4887-4900.

c) **Equações não lineares nos grafos:**

1. D. Noja, Nonlinear Schrödinger on graphs: recent results and open problems, *Phil. Trans. R. Soc. A*, 372 (2014), 20130002.
2. R. Adami, F. Boni, A. Ruigh, Non-Kirchhoff Vertices and NLS Ground States on graphs, arXiv:2003.05495
3. F. Ali Mehmeti, *Nonlinear waves in Networks*, Wiley VCH, 1994.

d) **Meus resultados mencionados durante a palestra:**

1. A.H. Ardila, L. Cely, N. Goloshchapova, Instability of ground states for the NLS equation with potential on the star graph, *J. Evolution Equations*, DOI: 10.1007/s00028-021-00670-w.
2. N. Goloshchapova, A nonlinear Klein-Gordon equation on star graphs, arXiv:1912.00884 (accepted in *Mathematische Nachrichten*).
3. N. Goloshchapova, M. Ohta. Blow-up and strong instability of standing waves for the NLS- δ equation on a star graph, *Nonlinear Analysis*, 196 (2020), 111753.
4. J. Angulo Pava, N. Goloshchapova. Stability of bump-like standing waves for NLS equation with the δ' -interaction. *Physica D: Nonlinear Phenomena*, 403 (2020), 132332.
5. N. Goloshchapova. On the standing waves of the NLS-log equation with point interaction on a star graph, *Journal of Mathematical Analysis and Applications*, 473 (2019), 53-70.
6. J. Angulo Pava, N. Goloshchapova, On the orbital instability of excited states for the NLS equation with the δ -interaction on a star graph, *Discrete and Continuous Dynamical Systems*, 38 (2018), 5039-5066.
7. J. Angulo Pava, N. Goloshchapova. Extension theory approach in the stability of the standing waves for the NLS equation with point interactions on a star graph, *Advances in Differential Equations*, 23 (2018), 793-846.