

### Recent papers for presentation

- Coste, S. and Zhu, Y. (2021), Eigenvalues of the non-backtracking operator detached from the bulk, *Random Matrices: Theory and Applications* **10**(03):2150028. arXiv:1907.05603v3  
**Acevedo, N. already selected this paper.**
- Mulas, R., Zhang, D., and Zucal, G. (2024), There is no going back: Properties of the non-backtracking Laplacian, *Linear Algebra and its Applications* **680**, 341–370. arXiv:2303.00373v2  
**Talpai K. already selected this paper.**
- Torres, L. (2022), Geometric multiplicity of unitary non-backtracking eigenvalues. Preprint, arXiv:2205.02004v1 [math.CO].
- Torres, L., Chan, K. S., Tong, H., and Eliassi-Rad, T. (2021), Nonbacktracking eigenvalues under node removal: X-centrality and targeted immunisation, *SIAM Journal on Mathematics of Data Science* **3**(2), 656–675. arXiv:2002.12309v1 [cs.SI]
- Benaych-Georges, F., Bordenave, C. and Knowles, A. (2020), Spectral radii of sparse random matrices (2020), *Ann. Inst. Henri Poincaré Probab. Stat.* **56**(3), 2141–2161.  
**Aktan, O. already selected this paper.**
- Glover, C. and Kempton, M. (2021), Some spectral properties of the non-backtracking matrix of a graph, *Linear Algebra and its Applications* **618**, 37–57. arXiv:2011.09385v1.  
**Molnár Á. and Komálovics Á. already selected this paper.**
- Newman, M. E. J. (2023), Message passing methods on complex networks, *Proc. R. Soc. London A* **479**, 20220774. arXiv:2211.05054, 2022.
- Jost, J., Mulas, R. and Zhang, D. (2023), Petals and books: The largest Laplacian spectral gap from 1, *J. Graph Theory* **104**, 727–756.