
Publication list (September 5, 2023)

- *Dysonian dynamics of the Ginibre ensemble*, Z. Burda, **J. Grela**, M. A. Nowak, W. Tarnowski, P. Warchoń, Phys. Rev. Lett. **113**, 104102 (2014)
- *Unveiling the significance of eigenvectors in diffusing non-hermitian matrices by identifying the underlying Burgers dynamics*, Z. Burda, **J. Grela**, M. A. Nowak, W. Tarnowski, P. Warchoń, Nucl. Phys. B **897**, 421 (2015).
- *Diffusion in the space of complex Hermitian matrices*, J.-P. Blaizot, **J. Grela**, M. A. Nowak, P. Warchoń, Acta Phys. Pol. B **46**(9), 73 (2015)
- *Universal spectral shock in random matrix theory - lessons for QCD*, J.-P. Blaizot, **J. Grela**, M. A. Nowak, P. Warchoń, Acta Phys. Pol. B **46**(9), 35 (2015)
- *Diffusion method in Random Matrix Theory*, **J. Grela**, J. Phys. A: Math. Theor. **49** 015201 (2015)
- *Hydrodynamical spectral evolution for random matrices*, P.J. Forrester, **J. Grela**, J. Phys. A: Math. Theor. **49** 085203 (2016)
- *Ornstein-Uhlenbeck diffusion of hermitian and non-hermitian matrices - unexpected links*, J.-P. Blaizot, **J. Grela**, M. A. Nowak, W. Tarnowski, P. Warchoń, J. Stat. Mech. **2016**, 054037 (2016)
- *Exact spectral densities of complex noise-plus-structure random matrices*, **J. Grela**, T. Guhr, Phys. Rev. E **94**, 042130 (2016)
- *Kinetic energy of a trapped Fermi gas at finite temperature*, **J. Grela**, S. N. Majumdar, G. Schehr, Phys. Rev. Lett. **119**, 130601 (2017)
- *What drives transient behaviour in complex systems?*, **J. Grela**, Phys. Rev. E **96**, 022316 (2017)
- *On characteristic polynomials for a generalized chiral random matrix ensemble with a source*, Y.V. Fyodorov, **J. Grela**, E. Strahov, J. Phys. A: Math. Theor. **51**, 134003 (2018)
- *Full Dysonian dynamics of the complex Ginibre ensemble*, **J. Grela**, P. Warchoń, J. Phys. A: Math. Theor. **51**, 425203 (2018)
- *Extreme matrices or how an exponential map links classical and free extreme laws*, **J. Grela**, M. A. Nowak, Phys. Rev. E **102**, 022109 (2020)
- *Eikonal formulation of large dynamical random matrix models*, **J. Grela**, M. A. Nowak, W. Tarnowski, Phys. Rev. E **104**, 054111 (2021)
- *Non-intersecting Brownian bridges in the flat-to-flat geometry*, **J. Grela**, S. N. Majumdar, G. Schehr, J. Stat. Phys. **183**, 49 (2021)
- *Glass-like transition described by toppling of stability hierarchy*, **J. Grela**, B. A. Khoruzhenko, J. Phys. A: Math. Theor. **55** 154001 (2022)
- *SLOVA: Uncertainty estimation using single label one-vs-all classifier*, B. Wójcik, **J. Grela**, M. Śmieja, K. Misztal, J. Tabor, Appl. Soft Comput. **126**, 109219 (2022)
- *Comment on "Non-intersecting Brownian bridges in the flat-to-flat geometry"*, **J. Grela**, S. N. Majumdar, G. Schehr, J. Stat. Phys. **190**, 33 (2022)
- *Investigating structural and functional aspects of the brain's criticality in stroke*, J. Janarek, Z. Drogosz, **J. Grela**, J. K. Ochab, P. Oświęcimka, Sci. Rep. **13**, 12341 (2023)