

Wave turbulence: References

Lecturer: Colm Connaughton, University of Warwick & London Mathematical Laboratory

References

- [1] Gustavo Düring and Giorgio Krstulovic. Exact result in strong wave turbulence of thin elastic plates. *Physical Review E*, 97(2):020201, 2018.
- [2] Uriel Frisch. *Turbulence: the legacy of AN Kolmogorov*. Cambridge university press, 1995.
- [3] Benjamin Miquel, Alexandros Alexakis, Christophe Josserand, and Nicolas Mordant. Transition from wave turbulence to dynamical crumpling in vibrated elastic plates. *Physical review letters*, 111(5):054302, 2013.
- [4] Gregory Falkovich and Natalia Vladimirova. Cascades in nonlocal turbulence. *Physical Review E*, 91(4):041201, 2015.
- [5] Gustavo Düring, Christophe Josserand, and Sergio Rica. Weak turbulence for a vibrating plate: can one hear a kolmogorov spectrum? *Physical review letters*, 97(2):025503, 2006.
- [6] Vladimir E Zakharov, Victor S L'vov, and Gregory Falkovich. *Kolmogorov spectra of turbulence I: Wave turbulence*. Springer Science & Business Media, 2012.
- [7] A. C. Newell and V. E. Zakharov. The role of the generalized phillips' spectrum in wave turbulence. *Phys. Lett. A*, 372(23):4230–4233, 2008.
- [8] Sergei V. Nazarenko and Alexander A. Schekochihin. Critical balance in magnetohydrodynamic, rotating and stratified turbulence: towards a universal scaling conjecture. *Journal of Fluid Mechanics*, 677:134–153, 2011.
- [9] Alan C Newell, Sergey Nazarenko, and Laura Biven. Wave turbulence and intermittency. *Physica D: Nonlinear Phenomena*, 152:520–550, 2001.
- [10] Colm Connaughton, R Rajesh, and Oleg Zaboronski. Constant flux relation for driven dissipative systems. *Physical review letters*, 98(8):080601, 2007.
- [11] Alan C Newell. The closure problem in a system of random gravity waves. *Reviews of Geophysics*, 6(1):1–31, 1968.
- [12] Alan C Newell and Benno Rumpf. Wave turbulence: a story far from over. In *Advances in wave turbulence*, pages 1–51. World Scientific, 2013.
- [13] Alan C Newell and Benno Rumpf. Wave turbulence. *Annual review of fluid mechanics*, 43:59–78, 2011.
- [14] Thomas Y Sheffield and Benno Rumpf. Ensemble dynamics and the emergence of correlations in one-and two-dimensional wave turbulence. *Physical Review E*, 95(6):062225, 2017.
- [15] Colm Connaughton. Numerical solutions of the isotropic 3-wave kinetic equation. *Physica D: Nonlinear Phenomena*, 238(23-24):2282–2297, 2009.
- [16] Claudio Falcon, Eric Falcon, Umberto Bortolozzo, and Stéphane Fauve. Capillary wave turbulence on a spherical fluid surface in low gravity. *EPL (Europhysics Letters)*, 86(1):14002, 2009.