



ID de Contribution: 5

Type: **Non spécifié**

Quentin Chauleur : Wave turbulence and Kolmogorov spectra

mardi 16 décembre 2025 10:25 (45 minutes)

In this introductory talk I will sketch the derivation of the wave kinetic equation, with a particular emphasis on Kolmogorov-Zhakarov spectra which appear as particular stationary states of the system. I will also show some classical results on energy transfer mechanisms in Hamiltonian nonlinear dispersive models, alongside numerical simulations.