

# Poster: Revisiting the foundations of homogeneous turbulence

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Development of a deterministic approach to turbulence, rooted in PDEs and based on non-asymptotic estimates that quantify the relations between the mathematical objects involved in turbulence

## Références

- [1] F. VIGNERON, *Free turbulence on  $\mathbb{R}^3$  and  $\mathbb{T}^3$* . Dynamics of PDE, Vol. 7/2 (2010), 107-160.
- [2] F. VIGNERON, *On the Hankel & Wiener-Khinchin transform of functions that behave as a power law on a finite range; applications to fluid turbulence*. In preparation.
- [3] F. VIGNERON, *How far from turbulence are the analytic estimates of Navier-Stokes?* In preparation.