

**Flandoli, Franco****An introduction to 3D stochastic fluid dynamics.** (English) [Zbl 1426.76001](#)

Da Prato, Giuseppe (ed.) et al., SPDE in hydrodynamic: Recent progress and prospects. Lectures given at the C.I.M.E. summer school, Cetraro, Italy, August 29–September 3, 2005. Berlin: Springer: Florenz: Fondazione CIME Roberto Conti. Lect. Notes Math. 1942, 51-150 (2008).

For the entire collection see [\[Zbl 1138.76006\]](#).

**MSC:**

- [76-01](#) Introductory exposition (textbooks, tutorial papers, etc.) pertaining to fluid mechanics Cited in **49** Documents
- [76M35](#) Stochastic analysis applied to problems in fluid mechanics
- [35Q35](#) PDEs in connection with fluid mechanics
- [35R60](#) PDEs with randomness, stochastic partial differential equations
- [60H15](#) Stochastic partial differential equations (aspects of stochastic analysis)
- [76D03](#) Existence, uniqueness, and regularity theory for incompressible viscous fluids
- [76D05](#) Navier-Stokes equations for incompressible viscous fluids

**Full Text:** [DOI](#)