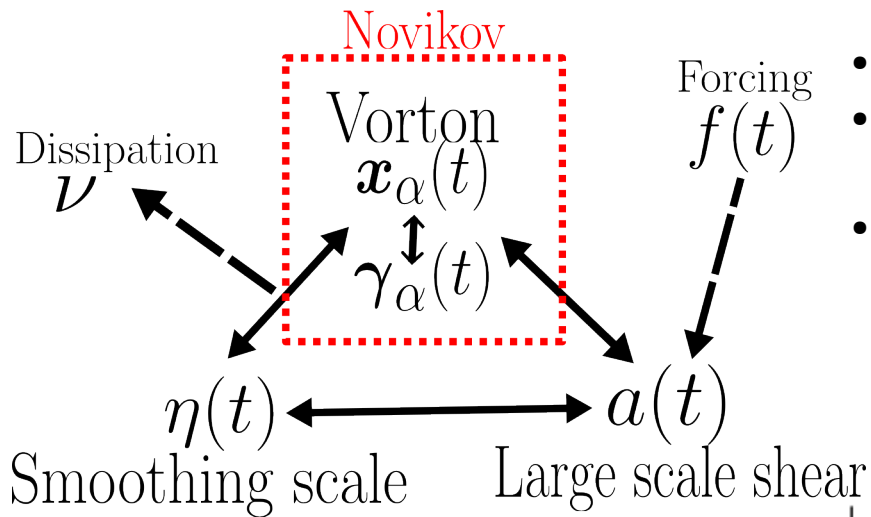


Transition to turbulence in a point vortex model coupled to a shear flow

W. Ruffenach, L. Fery, B. Dubrulle, SPEC CEA Saclay



- 3D vortex particle model (based on Novikov vortons)
- Vorticity field is **regularised** at a time dependent scale η
- Coupling to a **large scale shear flow** of amplitude $a(t)$

- **Transition** laminar/turbulent
- **Log-normal** dissipation

And much more !

