

## Dynamics of vortex filaments (Part 2)

*vendredi 25 mai 2018 09:00 (1h 35m)*

In this lectures I shall present first the known models for dynamics of vortex filaments. Then I shall focus on the binormal flow model and on its link with the 1-D cubic nonlinear Schrödinger equation. Finally I shall describe several frameworks of formation of singularities in finite time, both at the level of the binormal flow and at the level of the Schrödinger equation.

**Orateur:** BANICA, Valeria

**Classification de Session:** Mini-course by Valeria BANICA