Variational curvature flows

Antonin Chambolle
CMAP, Ecole Polytechnique, CNRS
antonin.chambolle@cmap.polytechnique.fr

joint work with *Massimiliano Morini* and *Marcello Ponsiglione*

Abstract

We discuss a general approach to existence and uniqueness for the geometric gradient flow of a large class of (translation invariant) "perimeter"-like functionals, under some smoothness assumption. It includes in particular some motions by non-local curvature flows, and we also discuss the convergence of the variational approach based on minimizing movements.