

DISCRETE TO CONTINUUM CURVATURE FLOWS

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In a joint work with M. Morini and D. De Gennaro (Parma / CEREMADE) we investigated fully discrete approaches for the curvature flow, either based on approximations of isotropic Laplacian on a regular grid, or based on pairwise interactions on a graph (also built upon a regular grid). We obtain in the continuum limit isotropic or crystalline curvature flows, in the latter case however the time and space discretizations go to zero.