GEOMETRIC MEASURE THEORY OPTIMAL MASS TRANSPORTATION AND PARTIAL DIFFERENTIAL EQUATIONS

Generic Hausdorff dimension distortion by Sobolev maps in foliated spaces

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I will present estimates describing the distortion of the Hausdorff dimension by Sobolev maps between general metric spaces that are foliated in the sense of David and Semmes. The Heisenberg group does not fit in this general framework and has to be treated with different methods.