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Kernel-based function approximation on Grassmannians

Abstract

Function approximation on compact Riemannian manifolds based on eigenfunctions of the Laplace-Beltrami operator has been widely studied in the recent literature. In this talk, we present numerical experiments associated to the approximation schemes for the Grassmann manifold. Our numerical computations illustrate and match the theoretical findings in the literature.

Talk time: 2016-7-19 5:00PM— 2016-07-19 5:20PM
Talk location: Crow 204

Special Session: Applied harmonic analysis, frame theory, and operator theory. Organized by G. Kutyniok.