

Próximo Seminario DMAT

Jueves 26 de Septiembre de 2024, 12:30 - 13:30

SALA DE SEMINARIOS, DMAT

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Manifold Learning, Diffusion-Maps and Applications

We introduce the nonlinear dimensionality reduction problem known as Manifold Learning and present the diffusion maps algorithm (Coiffman and Lafon, 2006), a practical method in this framework. Diffusion maps exploits the connectivity of data points through a diffusion process on the dataset. Additionally, we explore applications of this technique to 2D tomography reconstruction.