

SIPO (Seminario de Investigadores Postdoctorales)

Speaker: Alvaro Almeida Gomez, Postdoc CMM

Título: Manifold Learning, Diffusion-Maps and Applications.

Summary: We introduce the nonlinear dimensionality reduction problem known as Manifold Learning and present the diffusion maps algorithm (Coiffman and Lafon, 2006). Diffusion maps utilize the connectivity between data points through a diffusion process on the dataset. Additionally, we show some applications of this technique to 2D tomography reconstruction when the angles are unknown

Date: Monday, November 4, 2024 at 2.30PM

Venue: John Von Neumann Seminar Room, CMM, Beauchef 851, North Tower, 7th Floor