

Seminario a cargo de Martin Buhmann (Universidad Justus-Liebig de Giessen, Alemania)

16/12/2022

Charla

En esta semana nos visitarán los investigadores Martin Buhmann y Janin Jäger de la Universidad Justus-Liebig de Giessen, Alemania. Con motivo de esta visita, el próximo viernes 16 de diciembre a las 12:30h., en el Seminario 003 (edificio B3), el doctor Martin Buhmann ofrecerá la charla titulada "***Strict positive definiteness of convolutional and axially symmetric kernels on d-dimensional spheres***"

Abstract

The paper introduces new sufficient conditions of strict positive definiteness for kernels on d -dimensional spheres which are not radially symmetric but possess specific coefficient structures. The results use the series expansion of the kernel in spherical harmonics. The kernels either have a convolutional form or are axially symmetric with respect to one axis. The given results on convolutional kernels generalise the result derived by Chen for radial kernels. (Joint work with Janin Jäger.)