



Jueves, 23 de abril de 2015.

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Image compression with wavelets and applications

Abstract:

Big amount of data is collected every day: still images taken with cell phones, moving images with video recorders, medical records obtained from CAT scanners, and data obtained from geological experiments are some examples. Transmitting this signals over the Internet required efficient algorithms that could store an image saving space, without degrading the visual content of the compressed image. Identifying important features in medical images and geological data is basic to understand structures that cannot be visualized. Wavelet analysis is a technique developed during the last 30 years that allow efficient compression of images and detection of singularities. We will explain in this talk the main mathematical ideas behind the theory of wavelets, how to use them to compress images and how to detect singularities in data.



Univ. Carlos III de Madrid



Coordenadas

Hora 11:00 - 12:00
Lugar Seminario del Departamento de Matemáticas
2.2 D08 Edificio Sabatini.

Dirección

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