SCUOLA
NORMALE
SUPERIORE
PISA

SEMINARIO DI MATEMATICA

mercoledì 8 aprile 2009
ore 16.30

Scuola Normale Superiore
Pisa
(Aula Dini)

Vincent Caselles
Università Pompeu-Fabra, Barcellona

Terrà un seminario dal titolo:

*õ*The total variation denoising problem and Cheeger sets*ö*

Abstract:

We will discuss the ability of the total variation denoising problem to restore discontinuities of the datum.On one hand this is related to the regularity of its solutions. On the other, the explicit solutions of the problem also show that the discontinuities may be smoothed at the points of the datum where the level lines have a high curvature. The study of the explicit solutions leads us to the study of Cheeger sets.Finally we will present some applications of Cheeger sets (with respect to anisotropic perimeters) to image segmentation and image interpolation problems.

Tutti gli interessati sono invitati a partecipare.

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