

Prof. Bernard Dacorogna - Section Mathématiques

SEMINAIRE D'ANALYSE

➤ **VENDREDI 23 Novembre 2012 à 15h15 - salle MA A330**

Monsieur **DANIELE VALTORTA** (*Università degli Studi di Milano, Italie*) donnera une conférence sur le thème:

« Quantitative stratification and critical sets of harmonic functions »

Given a harmonic function defined on the unit ball of \mathbb{R}^n , we discuss techniques to obtain effective volume estimates on the tubular neighborhood of their critical sets. We use a technique recently introduced by Cheeger and Naber, called quantitative stratification technique. It is based on approximate symmetries of the function u at different scales. Studying how these approximate symmetries interact with each other, we obtain the effective volume estimates.

Lausanne, le 7 novembre 2012
BD/MT/VL

Les séminaires qui ont lieu à la Section de Mathématiques sont annoncés sur Internet
<http://memento.epfl.ch/sb/>