EPFL

ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

Section Mathématiques

SEMINAIRE D'ANALYSE

➢ *VENDREDI 5 mars 2010 à 16h15 à la salle MA A112*

*Madame **Hélia SERRANO** (EPFL, Suisse)* donnera une conférence sur le thème:

"GAMMA-CONVERGENCE OF NON-PERIODIC FUNCTIONALS DEFINED IN DIVERGENCE-FREE FIELDS"

Gamma-convergence is a variational convergence on functionals based on the analisys of the asymptotic behaviour of minimum problems. Consider a sequence of functionals defined in a Lebesgue space of divergence-free fields whose integrands are not periodic functions. We will present an explicit characterization of the Gamma-limit density of such functionals through divergence Young measures. Young measures are family of probability measures often associated with oscillating sequences.

Lausanne, le 11 février 2010
BD/VL

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