



**Centro de Investigação em Matemática e Aplicações
Departamento de Matemática**

Seminário

**20 de Julho de 2011, Quarta-feira
CLAV – 127 - 15:00 horas**

Dimensional reduction for supremal functional

Elvira Zappale

Universidad degli studi di Salerno, Italy

Resumo

A 3D-2D dimensional reduction analysis for supremal functionals is performed in the realm of Γ^* -convergence. It is shown that the limit functional still admits a supremal representation, and it is provided a precise identification of its density in some particular cases. Results rely on an abstract representation theorem for the Γ^* -limit of a family of supremal functionals.

Joint work with J.-F. Babadjian and F. Prinari.