

Very weak solutions for Laplace equation

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Abstract

We will revisit the works of Jerison, Keinig, Costabel... about the Laplace equation and we will give some recent results about very weak solutions for this equation. We also study some density problems.

This work is joint with Cherif Amrouche (UPPA - France) and Mohand Moussaoui (Ecole Centrale de Lyon and ENS de Kouba).

Keywords: Laplace equation, very weak solution, density problem