

THEMATIC SESSION: Analysis and PDEs

Removable singularities for solutions of the Heat equation and the fractional Heat equation in time varying domains

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The talk will be about removable singularities for solutions of the Heat Equation and the Fractional Heat Equation in time varying domains. In order to talk about removability, some associated capacities will be introduced to study its metric and geometric properties. I will discuss on some results obtained in joint work with X. Tolsa and J. Mateu and also mention some recent achievements of J. Hernández.