SEMINÁRIO
ANÁLISE E EQUAÇÕES DIFERENCIAIS

12 de Junho | 13h30 | sala 6.2.33

Integral representation of energy: General overview and a BD result

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Abstract:

In this seminar I will give an overview of all the main techniques available in order to determine wether an energy $F:X\to R$, under suitable assumption, can be represented in an integral form. Then I will consider a particular case when X is the space of function of bounded deformation, which is remained open until now due to a lack of information on the structure of this space that has been recently filled by Rindler, De Philippis.
I will state a recent result in collaboration with Nicolas Van Goethem and Matteo Focardi on the integral representation over BD and, if time permits, I will point out the guidelines of the proof.

CMAFcIO

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