SEMINARIO DE ANÁLISIS Y APLICACIONES

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18:00 h., ONLINE - URL: https://conecta.csic.es/b/jos-ajp-ap4

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Sharp bounds for maximal operators on finite graphs

Resumen:

In this talk we will discuss the regularity properties of the Hardy-Littlewood maximal operator on finite graphs, this was originally studied by Soria and Tradecete in 2014, they obtained some optimal bounds for 0 . Recentely, in a joint work with Gonzalez-Riquelme we obtained some optimal results for <math>p=2. Moreover we obtained some optimal results for the p-variation of the maximal operator for $p \ge 1/2$ in the case of the star graph and for $p > \ln 4/\ln 6$ in the case of the complete graph. We will also discuss what are the extremizers in the situations described, and some interesting open questions.

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