COLLOQUIUM DE ANÁLISIS MATEMÁTICO

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On summability of multilinear operators and applications

Resumen:

Results related to summability of multilinear operators date back at least to the 30's, when Littlewood proved his seminal 4/3 inequality. Since then, a number of different related results and approaches have emerged, such as the inequalities of Bohnenblust-Hille (1931) and Hardy-Littlewood (1934), which can be considered as two pillars of the theory for multilinear operators. In the last 30 years, several multilinear variants of these classical inequalities have appeared, such as, for example, Aron-Globevnik (1989), Zalduendo (1993) and Albuquerque-Bayart-Pellegrino-Seoane (2016) inequalities. In this lecture we present a new unifying approach that combines in a single formulation a huge family of inequalities that have been produced separately in the last 90 years in different contexts, that include, among others, all the aforementioned inequalities.

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Fecha: Jueves 28 de marzo de 2019 a las 13:00 horas
Lugar: Aula 222 (por confirmar)
Facultad de CC Matemáticas, UCM