



Colloquium del Departamento de Análisis Matemático

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**“Characterizations of the convergent sequences
in a class of Banach spaces”**

Jueves 9 de octubre de 2014
a las 13:00 horas en el seminario 222

Abstract:

The goal of this talk is the introduction of the concept of 0-equicontinuous sequences, and its use as a condition for a general theorem about convergence of sequences in certain class of Banach function spaces. Quantitative estimates of the degree of convergence are presented as well as applications of the results to different function spaces.

Mathematics Subject Classification: 41A65

Keywords and phrases: Lipschitz function, total variation, absolutely continuous function, 0-equicontinuous set, Hölder space, Besov space, Bernstein polynomial, tauberian theorem, asymmetric normed space.

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