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On basis sets in Banach spaces. (English) Zbl 1242.46017

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A set $M \subset X$ (X a Banach space) is a basis set if every $x \in X$ can be written $x = \sum_k c_k e_k$ where $e_k \in M$, $c_k \in \mathbb{R}$ or \mathbb{C} and this is unique up to permutation. (This is not same as Schauder bases.) Four open problems are posed.

Reviewer: Joe Howard (Portales)

MSC:

46B15 Summability and bases; functional analytic aspects of frames in Banach and Hilbert spaces

Keywords:

basis set; Schauder basis