Some geometric properties in Banach spaces

Palani Shunmugaraj Indian Institute of Technology, Kanpur, India

Some approximation theoretic characterizations of several geometric properties of Banach spaces will be presented. The characterizations are in terms of various types of approximative compactness. These characterizations provide some answers to a question posed by Deustch and Lambert in the paper "On continuity of metric projections", J. Approx. Theory, 1980.