SLICELY COUNTABLY DETERMINED BANACH SPACES

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Abstract. A (separable) Banach space X is slicely countably determined if for every closed convex bounded subset A of X there is a sequence of slices such that each slice of A contains one of the S_n. SCD-spaces form a joint generalization of spaces not containing $l1$ and those having the Radon-Nikodým property. We present many examples and several properties of this class. We give some applications to Banach spaces with the Daugavet and the alternative Daugavet properties, lush spaces and Banach spaces with numerical index approaching to 1. The talk is based in the very recent paper [Avilés, Kadets, Martín, Merí, Shepelska, *Slicely countably determined Banach spaces*, Trans. Amer. Math. Soc. (to appear)]