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The class of separable reflexive Banach spaces is strongly bounded

A class C of separable Banach spaces is said to be strongly bounded if whenever A is an analytic subset of C , there exists a space in C which contains an isomorphic copy of any X in A .

It is proved that the classes REFL of separable reflexive spaces and SD of spaces with separable dual are strongly bounded. This gives another proof of a result of E. Odell and T. Schlumprecht answering a question of J. Bourgain: there exists a separable reflexive Banach space which is universal for the class of separable uniformly convex spaces.

Joint work with Pandelis Dodos.