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*Coarse Universality*

The Bourgain index is a tool that can be used to show that if a separable Banach space contains isomorphic copies of all members of a class  $C$  then it must contain isomorphic copies of all separable Banach spaces. This can be applied, e.g., to the class  $R$  of separable reflexive spaces. Notably, the embedding of each member of  $R$  does not witness the universality of  $X$ . We investigate a natural coarse analogue of this index which can be used, e.g., to show that a separable metric space that contains coarse copies of all members in certain "small" classes of metric spaces  $C$  then  $X$  contains a coarse copy of  $c_0$  and thus of all separable metric spaces.

This is joint work with F. Baudier, G. Lancien, and Th. Schlumprecht.