

# THE UNIFORM AND COARSE STRUCTURE OF BANACH SPACES

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ABSTRACT. What can be said about two Banach spaces which are uniformly homeomorphic as metric spaces? In 1995, Johnson, Lindenstrauss and Schechtman showed that the  $l_p$  spaces have unique uniform structure, but there are well-known examples of non-isomorphic Banach spaces which are uniformly homeomorphic: the earliest is due to Ribe. We will discuss some new positive and negative results on this question and the related question of coarse or net-equivalence of Banach spaces.