

EMBEDDINGS OF METRIC SPACES

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ABSTRACT. This talk will focus on a special aspect of the nonlinear geometry of Banach spaces, namely bi-Lipschitz embeddings of metric spaces into Banach spaces. I will recall basic definitions and historical results in the field. Then I will discuss what is called the "Ribe program" and present my contributions to this program. Throughout this talk and at the end of it if time permits, time will be allocated to some new and quite old open questions. Some of the results presented are in collaboration with N. J. Kalton and G. Lancien.