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Isometric embeddings of a class of separable metric spaces into Banach spaces

Abstract: Let (M, d) be a bounded countable metric space and $c > 0$ a constant, such that $d(x, y) + d(y, z) - d(x, z) \geq c$, for any pairwise distinct points x, y, z of M. For such metric spaces we prove that they can be isometrically embedded into any Banach space containing an isomorphic copy of ℓ_∞.

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