

# On weakly Radon-Nikodým compact spaces

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## Abstract

A compact space is said to be weakly Radon-Nikodým if it is homeomorphic to a weak\*-compact subset of the dual of a Banach space not containing an isomorphic copy of  $\ell_1$ . We study some topological properties of this class of compact spaces and, in particular, we prove that it is not stable under continuous images. Moreover, we define a superclass of the continuous images of weakly Radon-Nikodým compacta and study its relation with other classes of compact spaces.

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