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Remarks on continuous images of Radon-Nikodým compacta

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Abstract: A family of compact spaces containing continuous images of Radon-Nikodým compacta is introduced and studied. A family of Banach spaces containing subspaces of Asplund generated (i.e., GSG) spaces is introduced and studied. Further, for a continuous image of a Radon-Nikodým compact K we prove: If K is totally disconnected, then it is Radon-Nikodým compact. If K is adequate, then it is even Eberlein compact.

Keywords: Asplund generated space, continuous image of Radon-Nikodým compact, totally disconnected compact, adequate compact, Eberlein compact
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