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Singlevaluedness of monotone operators on subspaces of GSG spaces

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Abstract: We extend Zajíček's theorem from [Za] about points of singlevaluedness of monotone operators on Asplund spaces. Namely we prove that every monotone operator on a subspace of a Banach space containing densely a continuous image of an Asplund space (these spaces are called GSG spaces) is singlevalued on the whole space except a σ -cone supported set.

Keywords: Asplund spaces, GSG spaces, monotone operators, countable dentability

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