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Baire-one mappings contained in a usco map

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Abstract: We investigate Baire-one functions whose graph is contained in the graph of a usco mapping. We prove in particular that such a function defined on a metric space with values in \mathbb{R}^d is the pointwise limit of a sequence of continuous functions with graphs contained in the graph of a common usco map.

Keywords: Baire-one function, usco map, usco-bounded sequence of continuous functions

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