

UNIFORMLY CONTINUOUS FUNCTIONS ON NON-HAUSDORFF GROUPOIDS

Mădălina Roxana Buneci

Abstract. The purpose of this paper is to study the notion of uniform continuity introduced in [1]. For a locally compact (not necessarily Hausdorff) groupoid endowed with pre-Haar systems (in the sense of [1] adapted to non-Hausdorff case) we prove that the space of bounded compactly supported functions which are left and right uniformly continuous on fibres can be made into a $*$ -algebra and endowed with a (reduced) C^* -norm. The advantage of working with uniformly continuous on fibres functions is the fact that even if the groupoid does not admit a continuous Haar system, various C^* -algebras can be associated with it.

[Full text](#)

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Mădălina Buneci

University Constantin Brâncuși,

Str. Geneva, Nr. 3, 210136 Târgu-Jiu, Romania.

e-mail: ada@utgjiu.ro

<http://www.utgjiu.ro/math/mbuneci/>

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