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Non unital locally uniformly $A$-p-convex algebras. (English) Zbl 1194.46069

Summary: The unitization of a locally uniformly $A$-p-convex algebra is not always of the same type. In non unitary ones, we exhibit a stronger $m$-p-convex topology, which plays the role of a $p$-norm in the unitary case. Some structure results are given, while we also supply hints to clarify the aforesaid phenomenon.

MSC:
46H05 General theory of topological algebras
46H20 Structure, classification of topological algebras

Keywords:
locally uniformly $A$-p-convex algebra; unitization; locally $m$-p-convex topology

Full Text: DOI

References:

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