عنوان مقاله:

On (semi)topology L-algebras

محل انتشار:

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نویسنده:

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خلاصه مقاله:

Here, we define (semi)topological L-algebras and some related results are approved. Then we deduce conditions that mention an L-algebra to be a semi-topological or a topological L-algebra and we check some attributes of them. Chiefly, we display in an L-algebra L, if $(L, \twoheadrightarrow, \tau)$ is a semi-topological L-algebra and $\{1\}$ is an open set or L is bounded and satisfies the double negation property, then (L, τ) is a topological L-algebra. Finally, we construct a discrete topology on a quotient L-algebra, under suit- able conditions. Also, different kinds of topology such as T_0 and Hausdorff are investigated.

کلمات کلیدی:

L-algebra, ideal, (semi)topological L-algebra, quotient L-algebra, Hausdorff

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