

عنوان مقاله:

(z^{circ} -filters and related ideals in $C(X)$)

محل انتشار:

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خلاصه مقاله:

In this article we introduce the concept of z^{circ} -filter on a topological space X . We study and investigate the behavior of z^{circ} -filters and compare them with corresponding ideals, namely, z^{circ} -ideals of $C(X)$, the ring of real-valued continuous functions on a completely regular Hausdorff space X . It is observed that X is a compact space if and only if every z^{circ} -filter is ci -fixed. Finally, by using z^{circ} -ultrafilters, we prove that any arbitrary product of i -compact spaces is i -compact.

کلمات کلیدی:

z^{circ} -filter, prime z^{circ} -filter, ci -free z^{circ} -filter, i -free z^{circ} -filter, z^{circ} -ultrafilter, i -compact

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