عنوان مقاله:

A generalization of pure submodules

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خلاصه مقاله:

Let R be a commutative ring with identity, S a multiplicatively closed subset of R, and M be an R-module. The goal of this work is to introduce the notion of S-pure submodules of M as a generalization of pure submodules of M and prove a number of results concerning of this class of modules. We say that a submodule N of M is \emph {S-pure} if there exists an s \in S such that s(N \cap IM) \subseteq IN for every ideal I of R. Also, We say that M is \emph{fully S-pure} if every submodule of M is S-pure.

کلمات کلیدی:

Pure submodule, S-pure submodule, fully S-pure module

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