An Introduction of Radicals in Module Theory

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Abstract

It is well-known that there are many kinds of radicals of rings, but in module theory, we have only one, this is Jacobson radical, until now.

In this report, we introduce the notions prime radicals, nil radicals and Levitzki radicals similar to that of rings. The structures can be defined after we successfully defined the class of prime submodules in our recent works.

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