

ABSTRACT**MAPS OF MODULES THAT EVERY CLOSED SUBMODULES ARE
DIRECT SUMMAND**

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Let R be associative ring with identity and M be a right R -module. A module M is called extending if every closed submodule of M is a direct summand of M . There are other equivalent definitions which they improved the theory. But on the other hand, in the development of the theory some people used different terminology wrong way some how. This make cause for new researchers. In our work, we study all works that we could reach and based only the above definition, give the relations among them and show them with diagrams in the last section.

Key Words

Extending modules, Module classes, Torsion theory, Essential submodule, Closed submodule.