

ABSTRACT

The main purpose of this project is to study some classes of modules namely supplemented, weakly supplemented, \oplus -supplemented, cofinitely supplemented, cofinitely weak supplemented and \oplus -cofinitely supplemented modules. Characterization, examples and the closeness of each class of these kinds under submodules, direct summands, quotients, small covers, and homomorphic images will, in detail, be considered.

Keywords: supplemented, weakly supplemented, cofinitely(weak) supplemented, \oplus -(cofinitely) supplemented.