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On Graded Secondary Modules

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Abstract: Let G be a group with identity e, and let R be a G-graded commutative ring. Here we study the graded primary submodules of a G-graded R-module and examine when graded submodules of a graded representable module are graded representable. A number of results concerning of these class of submodules are given.

Key Words: Graded secondary modules, Graded primary submodules