

DEVELOPED ZARISKI TOPOLOGY-GRAPH

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Abstract

In this paper, we introduce the developed Zariski topology-graph associated to an R -module M with respect to a subset X of the set of all quasi-prime submodules of M and investigate the relationship between the algebraic properties of M and the properties of its associated developed Zariski topology-graph.

Keywords: developed Zariski topology-graph, annihilating-submodule graph, quasi-prime submodules.

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