

FUZZY PRIMARY IDEALS AND FUZZY SEMI- PRIMARY IDEALS OF RINGS

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In this dissertation we study the notion of fuzzy primary ideals and fuzzy semiprimary ideals. Several interesting results and illustrative examples are given.

This dissertation has four chapters. First chapter is introductory in nature to make this dissertation a self contained one. Fuzzy primary ideals are introduced in chapter two. Every fuzzy prime ideal of a ring R is a fuzzy primary ideal of R . Several interesting results in this direction are proved. In chapter three definition of fuzzy primary ideals is recalled. It is proved that a fuzzy semiprimary ideal of a ring R is a semiprimary ideal of R . In the final chapter conclusion based on the study is given.