

FUZZY SUBRINGS

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Fuzzy subrings are studied and analyzed in this dissertation. Fuzzy ideals are discussed and described. Several interesting properties are studied. The notion of fuzzy homomorphism happens to an interesting concept, which is studied in this dissertation.

This dissertation has three chapters. Chapter one is introductory in nature. It describes all fuzzy theory concepts essential to make this dissertation to be a self contained one. Second chapter describes fuzzy subrings with illustrative examples. The third chapter deals with fuzzy ideals and the properties enjoyed by fuzzy ideals. Further in this chapter all fuzzy homomorphism theorems of rings are proved.