

STUDY OF SMARANDACHE SEMIGROUPS

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In this dissertation we study the notion of Smarandache semigroups and their properties. A Smarandache semigroup is one which has a proper subset which is a group under the operations of the semigroup. Notions like Smarandache Lagrange theorem, Smarandache Cauchy element etc are analysed. This dissertation has three chapters. Chapter one is introductory in nature; included to make this dissertation a self contained one. In chapter two the notion of Smarandache semigroup is introduced and properties related with them are analyzed. The final chapter studies the substructures associated with it.