

NATIONAL SYMPOSIUM ON MATHEMATICAL METHODS AND APPLICATIONS

22nd December 2004

Indian Institute of Technology, Madras
Chennai, TN
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Special elements in S-rings

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Abstract

Study of Smarandache Rings (S-rings) started in the year 2002. A S-ring is ring but all rings are not S-rings. We introduce in this paper the notions of Smarandache nilpotent elements, S-semi idempotents, S-pseudo commutative pair and based on these definitions we define new class of S-rings like S-pseudo commutative rings, S-strongly regular rings and S-quasi commutative rings. We prove a S-pseudo commutative ring in general is not a pseudo commutative ring and prove every S-quasi commutative ring is a S-ring but a S-ring in general is not S-quasi commutative.

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