

**NATIONAL SYMPOSIUM ON
MATHEMATICAL METHODS AND APPLICATIONS**

22nd December 2003

Indian Institute of Technology, Madras

Chennai, TN

India

SMARANDACHE NOTIONS IN GROUPS

W.B. Vasantha Kandasamy, J. Sujatha and M. Mary John

In this paper we introduce some notions in groups called Smarandache notions. It is important to note that we do not have the concept of Smarandache groups. For groups happen to be a very strongly knit structure so we cannot find in groups a stronger structure only therefore we do not have the notion of Smarandache groups. Thus this paper we define some notions in groups called Smarandache notions such as Smarandache inverse and Smarandache inverse group. We prove S_n the symmetric groups of degree n are not Smarandache inverse groups ($n \geq 4$). Further we define the concept called Smarandache conjugates in a group and study the relations between Smarandache conjugates and conjugate elements of G .

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e-mail: vasantha@iitm.ac.in

web: www.vasanthakandasamy.org