



SMARANDACHE-R-MODULES AND ALGORITHMS

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ABSTRACT

In this paper we introduced Smarandache-2-algebraic structure of R-modules namely Smarandache- R-modules. A Smarandache-2-algebraic structure on a set N means a weak algebraic structure A_0 on N such that there exists a proper subset M of N, which is embedded with a stronger algebraic structure A_1 , stronger algebraic structure means satisfying more axioms, by proper subset one understands a subset different from the empty set, form the unit element if any, from the whole set. We define Smarandache-R-modules and obtain some of its algorithms through on CS-Algebras , on BF-Algebras, and on BRK-Algebras. We refer to Raul Padilla[10].

Keywords : *R-modules, Smarandache-R-modules, CS-Algebras, BF-Algebras, and BRK-Algebras*