

N- VECTOR SPACES OF TYPE II, N FIELD

Vikas Kumar Jayswal
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In this seminar project we just discuss and describe the new notion of n -vector spaces of type II. This concept was first developed and defined by W B Vasantha and Florentin Smarandache in 2008. This concept mainly uses the notion of n -groups and n -fields. Throughout this project by a n -group we mean only a group under addition. n - fields used here may be fields of characteristic zero or n - fields of finite characteristic or mixed n -fields where fields of characteristic zero as well as finite characteristic are used.

n - vector spaces are defined over any of these n -fields. Their property vary according to the choice of the n -field. n -subspaces are defined for these spaces and condition for the direct sum to exist is explained. These spaces behave in a unique way distinctly different from usual spaces.

Here we discuss about the n -dimension of these n -vector spaces of type II over n -fields.