

CHARACTERISTIC POLYNOMIAL IN n -LINEAR OPERATOR

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Here in this seminar project we study n - characteristic polynomials of n -linear algebras of type II. The new notion of n -linear algebras of type II was introduced in 2008 by W B Vasantha and Florentin Smarandache . To build these new structures we need the notion of n -group under addition and n -fields of characteristic zero or finite characteristic or mixed characteristic of zero and finite characteristic.

Let T be a n -linear operator on a n -linear algebra of type II, the n -characteristic values of T and the corresponding n - characteristic vectors generate n -subspaces which satisfy all the classical theorems of linear operators.