

# n-LINEAR ALGEBRA TYPE-I

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In this seminar project on n- linear algebra of type I defined using n-groups under addition is described. The definition of special linear operator on a n-linear algebra of type I is recalled and condition for it to be n-diagonalizable is derived. All important classical theorems for usual linear algebras are true in case of n-linear algebras of type I.

The properties associated with n-projections can be derived analogously. Finally use of this concept can save both time and economy.