

LINEAR TRANSFORMATION IN SUPER VECTOR SPACES

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In this seminar project we study the linear transformation of super vector spaces.

The concept of super vector spaces is very new introduced in the year 2008 by W B Vasantha and Florentin Smarandache . The concept of super matrix group or the super special group is essential to make the definition of super vector spaces.

Here we study the super linear transformation of super vector spaces and the result in case of super vector spaces finite dimension viz. that is if V and W are super vector spaces of finite dimension and if T is a linear transformation of V to W then

$$\text{Rank } T + \text{Nullity } T = \text{Dimension of } V.$$