



CERTIFICATE

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Title:

Model heterogeneity of vector field

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Description:

In this paper it was considered a model of heterogeneity of vector field within an associative algebra (Clifford algebra) on four - dimensional curvilinear coordinates. It is shown a possibility to get the equations of electrodynamics from model: systems of equations of Maxwell as a single equation, conservation laws 4-current and Einstein field equations. The geometrical interpretation was given for 4- current and a non-trivial "law of conservation of 4-dimensional curl of current" was received.

Chairman



K.Schreiber