CLASSIFICATION OF REDUCED EQUATIONS FOR THE EIKONAL EQUATION

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ABSTRACT

We study a connection between structural properties of low-dimensional nonconjugate subalgebras of the Lie algebra of the generalized Poincaré group $P(1, 4)$ and results of symmetry reduction for the eikonal equation. We plan to present some results concerning the relationship between the classification of one-, two-, and three-dimensional nonconjugate subalgebras of the Lie algebra of the group $P(1, 4)$ and types of symmetry reductions for the eikonal equation.

References