عنوان مقاله:

Symmetry Reduction and Exact Solutions of a Class of Wave Equations

نویسنده:

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خلاصه مقاله:

In this paper, the Lie symmetries and similarity reduction of a class of wave equations are investigated. First, Lie algorithm is used to get the determining equations of symmetry for the given equations which are complicated and difficult to be solved. Next, differential form of Wu's method is used to solve this problem. Moreover, a special case of differential invariant method is used to get similarity reduction of the given equations.

کلمات کلیدی:

Lie algorithm, Similarity reduction, Differential form Wu's method