



**APPLICATION OF THE (G'/G) -EXPANSION METHOD
FOR THE KLEIN-GORDON EQUATION**

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Abstract

In this paper, we extend the (G'/G) -expansion method to the Klein-Gordon equation. As a result, a series of new traveling wave solutions of the Klein-Gordon equation have been obtained. This result is a supplement and a perfecting for the existed related documents. It is shown that the (G'/G) -expansion method can be used for many other nonlinear wave equation.

Keywords and phrases: (G'/G) -expansion method, Klein-Gordon equation, exact solutions, traveling wave solutions.