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A modified tanh-coth method for solving the KdV and the KdV-Burgers' equations

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Abstract

In this work we use a modified tanh-coth method to solve the Korteweg-de Vries and Korteweg-de Vries-Burgers' equations. The main idea is to take full advantage of the Riccati equation that the tanh-function satisfies. New multiple travelling wave solutions are obtained for the Korteweg-de Vries and Korteweg-de Vries-Burgers' equations. © 2007 Elsevier B.V. All rights reserved.

Author Keywords