HOMOTOPY ANALYSIS METHOD FOR SOLVING KDV EQUATIONS
Hossein Jafari and M. A. Firoozjaee

Abstract. A scheme is developed for the numerical study of the Korteweg-de Vries (KdV) and the Korteweg-de Vries Burgers (KdVB) equations with initial conditions by a homotopy approach. Numerical solutions obtained by homotopy analysis method are compared with exact solution. The comparison shows that the obtained solutions are in excellent agreement.

References


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Hossein Jafari  
Department of Mathematics and Computer Science,  
University of Mazandaran,  
Babolsar, Iran.  
e-mail: jafari_h@math.com, jafari@umz.ac.ir

M. A. Firoozjaee  
Department of Mathematics and Computer Science,  
University of Mazandaran,  
Babolsar, Iran.  
e-mail: m64arab@math.com