

Solution of the Local Fractional Generalized KdV Equation using Homotopy Analysis Method

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June 6, 2020

Abstract

In this paper, we will solve Generalized Korteweg-De Vries equation with Local fractional derivative by local fractional homotopy analysis method (LFHAM). The approximate solutions of non-differentiable type with the generalized functions defined on Cantor sets are analyzed. Further, some examples and special cases of main results are also discussed.

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