Exp-Function Method for Generalized Travelling Solutions of Calogero-Degasperis-Fokas Equation

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Differential Equations.

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which plays a very important role in mathematical physics, applied and engineering sciences. The suggested algorithm is quite efficient and is practically well suited for use in these problems. Numerical results clearly indicate the reliability and efficiency of the proposed method.

*Key words: Exp-Function Method; Calogero-Degasperis-Fokas (CDF) Equation; Nonlinear Partial

In this paper, we apply a relatively new technique which is called the exp-function method to construct generalized solitary and periodic solutions of Calogero-Degasperis-Fokas (CDF) equation