

Observable Solitonic Features of the Generalized Reaction Duffing Model

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In engineering and physical sciences, solitons and nonlinear evolution equations are of current interest. To the generalized reaction Duffing model, we report several families of exact solitonic solutions, including shock waves and bell-shaped waves. Some of the observable solitonic features are pictured out.

Key words: Generalized Reaction Duffing Model; Generalized Hyperbolic-function Method; Observable Solitonic Features; Nonlinear Evolution Equations; Computerized Symbolic Computation.