Observable Solitonic Features of the Generalized Reaction Duffing Model

Bo Tian\textsuperscript{a,b} and Yi-Tian Gao\textsuperscript{c}

\textsuperscript{a} School of Science, Beijing University of Posts and Telecommunications, Beijing 100876, China
\textsuperscript{b} National Laboratory of Software Development Environment, Beijing University of Aeronautics and Astronautics, Beijing 100083, China
\textsuperscript{c} Institute of Fluid Mechanics, Beijing University of Aeronautics and Astronautics, Beijing 100083, China

Reprint requests to the corresponding author, Prof. Y.-T. G.; gaoyt@public.bta.net.cn

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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.

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