

New Exact Solutions to Long-Short Wave Interaction Equations

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Abstract: New exact solutions expressed by the Jacobi elliptic functions are obtained to the long-short wave interaction equations by using the modified F-expansion method. In the limit case, solitary wave solutions and triangular periodic wave solutions are obtained as well.

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Key words: long-short wave interaction equations, modified F-expansion method, exact solutions, Jacobi elliptic functions

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