

Exact Solutions of $K(N,N)$ -Type Equations Using Jacobi Elliptic Functions

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Abstract : In this paper, modified $K(n,n)$ and $K(n+1,n+1)$ equations have been solved using mapping methods which give a variety of solutions in terms of Jacobi elliptic functions. The solutions when m approaches 0 and 1, with m as the modulus of the JEFs have also been deduced. The role of constraint conditions has been discussed.

Keywords : travelling wave solutions, solitary wave solutions, compactons, Jacobi elliptic functions, mapping methods

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