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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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