New Exact Travelling Wave and Periodic Solutions of Discrete Nonlinear Schrödinger Equation

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Abstract: Some new exact travelling wave and period solutions of discrete nonlinear Schrödinger equation are found by using a hyperbolic tangent function approach, which was usually presented to find exact travelling wave solutions of certain nonlinear partial differential models. Now we can further extend the new algorithm to other nonlinear differential-different models.

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