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On a New Modified Extended Tanh-Function Method

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Abstract: In this paper, a new modified extended tanh-function method is presented for constructing multiple soliton-like, periodic form and rational solutions of nonlinear evolution equations (NLEEs). This method is more powerful than the extended tanh-function method [Phys. Lett. A 277 (2000) 212] and the modified extended tanh-function method [Phys. Lett. A 299 (2002) 179]. Abundant new solutions of two physically important NLEEs are obtained by using this method and symbolic computation system Maple.

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