Nonlinear Sciences > Exactly Solvable and Integrable Systems

Darboux transformation for two component derivative nonlinear Schrödinger equation

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In this paper, we consider the two component derivative nonlinear Schr\"{o}dinger equation and present a simple Darboux transformation for it. By iterating this Darboux transformation, we construct a compact representation for the \$N-\$soliton solutions.

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