Nonlocal Complex Modified Korteweg-de Vries Equation and its Exact Solutions

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ABSTRACT

We study the nonlocal complex modified Korteweg-de Vries equation by Ablowitz-Musslimani type nonlocal reductions. The Darboux transformation for the nonlocal complex modified Korteweg-de Vries equation is constructed. By using the Darboux transformation, its exact solutions are obtained.