

The direct problem of perturbed KP II multi-line solitons

Wednesday, September 4, 2019 12:00 PM (30 minutes)

Boiti-Pempinelli-Pogrebkov's inverse scattering theories on the KP II equation provide an integrable approach to solve the Cauchy problem of the perturbed KP II multi-line soliton solutions and the stability problem of KP II multi-line solitons.

In this talk, we will present rigorous analysis for the direct scattering theory of perturbed KP II multi line solitons, illustrated by perturbations of low dimensional Grassmannian cases.

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