

T. Gaudry

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Numerical study of solutions to the Kaup-Broer-Kupershmidt systems

We will discuss recent numerical results on the Kaup-Broer-Kupershmidt (KBK) systems with a particular focus on line solitary waves and their transverse stability. We numerically construct a stationary solution and study its (in)stability. We introduce a dynamical rescaling to discuss a blow-up of the solutions.