

1026-35-66

M Kovalyov* (mkovalyo@ualberta.ca), Department of Mathematics, University of Alberta,
Edmonton, Alberta T6G 2G1, Canada. *On a class of solutions of integrable systems.*

A number of integrable systems appear to allow a nonlinear analogue of Fourier integral. Just like the Fourier integral may be defined as limit of Riemann sums, its nonlinear analogue is the limit of certain determinants. We discuss the construction and some examples. (Received February 11, 2007)