



# Soliton equations and their algebro-geometric solutions.

Gesztesy, Fritz (1953-)

Cambridge University Press, 2003

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Monografía

The Korteweg-de Vries (KdV), the AKNS, the nonlinear Schrödinger, the sine-Gordon and the Camassa-Holm equations, and the Thirring system, are all completely integrable nonlinear PDEs permitting special classes of solutions. This is a detailed treatment of the class of algebro-geometric solutions and their representations in terms of Riemann theta functions

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