Integrable Systems and Nonlinear Mechanics

UTRGV™
School of Mathematical & Statistical Sciences

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Complete Integrability on Symplectic Manifolds

Abstract:

This talk provides a scheme of integrability structure on finite-dimensional symplectic manifolds. In particular, r-matrix structure is employed for 2 by 2 nonlinearized spectral problem. This structure covers almost all 2 by 2 constrained systems. Some typical examples are included to show the procedure.

Date: Tuesday September 8, 2020

Time: 1:00 —2:00 PM

Zoom Link: https://utrgv.zoom.us/j/96191924679

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