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Lectures: Generalized hydrodynamics of the Toda fluid

Tuesday, June 3, 2025 9:30 AM (1h 30m)

The hydrodynamics of integrable many-body systems has accomplished spectacular advances. In my lectures, I will use the famous Toda chain to illustrate the main features of generalized hydrodynamics. Key items are generalized Gibbs ensembles, their connection to random matrix theory, average charges and currents, TBA equations, and scattering coordinates as yielding large deviations.

Presenter: SPOHN, Herbert