
SEMINARIO

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PT deformation of Calogero models

Abstract: In this talk we will discuss how different classes of Calogero models of identical particles are deformed away from hermiticity but retaining a symmetry, preserving the integrability structure. The interaction potential gets completely regularized, which adds to the energy spectrum an infinite tower of previously non-normalizable states. For integral values of the couplings, extra degeneracy occurs and a nonlinear conserved charge enlarges the ring of Liouville charges.

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