SEMPARIS – Séminaires en région parisienne

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TBA

Jeudi 30 Octobre 2014, 14 :30
IHES, Amphithéâtre Léon Motchane
Domaines : hep-th

Titre : *Solving 3-body elliptic Calogero model*

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Résumé : *It is found a change of variables transforming A2 elliptic one-parametric Hamiltonian (in other words, 3-body elliptic Calogero Hamiltonian, or two-dimensional Lame operator) into algebraic differential operator with polynomial coefficients. It is shown the A2 elliptic model is equivalent to gl(3) quantum top and its parameter is determined by spin of gl(3) representation. It is found the discrete values of the parameter for which two-dimensional Lame operator has polynomial eigenfunctions.*