SEMPARIS – Séminaires en région parisienne

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Strings, integrability and beyond

Jeudi 14 Novembre 2019, 11 :30
LPTENS, Scherk library (former LPTENS library)
Domaines : hep-th

Titre : *Dual separated variables and scalar products*

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Résumé : *Separation of variables (SoV) is an efficient and elegant technique for analysing physical systems but its application to higher-rank integrable spin chains received a significant development only recently. In this talk, after a review of the progress in the field, we discuss one of the latest advancements - computation of scalar products. We consider an explicit example of GL(3) spin chains in both fundamental and anti-fundamental representations to use it an inspiration of how to build left and right SoV bases. Then we employ the Baxter equations towards computation of the scalar product between them. Based on 1910.13442 with N. Gromov, F. Levkovich-Maslyuk and P. Ryan.*