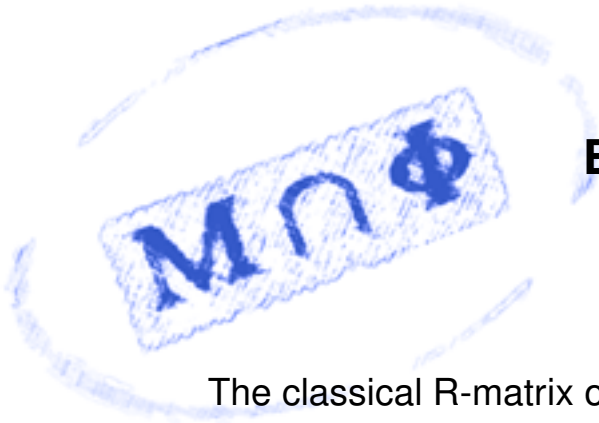


Séminaire de mathématique physique



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The classical R-matrix of AdS/CFT and its Lie dialgebra structure

Résumé : Since the appearance of the *AdS/CFT* conjecture, various superstring theory backgrounds have received much attention. Their common feature is the \mathbb{Z}_4 -grading of their supercoset target space. We derive the classical integrable structure for this general class of \mathbb{Z}_4 -graded supercoset models and formulate it within the *R*-matrix approach. The *R*-matrix is the standard one for the twisted loop algebra but the inner product needs to be twisted by the Zhukovsky map, which is known to play a key role in the *AdS/CFT* correspondence.

Jeudi 11 mars à 16 :15 — salle A318, 3ème étage