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## Folded quantum integrable models and deformed W-algebras

mardi 30 janvier 2024 11:00 (1h 30m)

(joint work with E. Frenkel and N. Reshetikhin)

We propose a novel quantum integrable model for every non-simply laced simple Lie algebra g. Its spectra correspond to solutions of the Bethe Ansatz equations obtained by folding the Bethe Ansatz equations associated to the simply-laced Lie algebra g' (corresponding to g). Our construction is motivated by the analysis of the second classical limit of the deformed W-algebra of g. We conjecture, and verify in a number of cases, that the spaces of states of the folded integrable model can be identified with finite-dimensional representations of the Langlands dual (twisted) quantum affine algebra.

The seminar will also be accessible online: https://www.ihp.fr/en/live and/or https://univ-cotedazur.zoom.us/j/3777115746?omn=83887855

Recording will be available later on: https://www.carmin.tv/en/

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