

Contribution ID: 20

Type: not specified

Talk: Snake Modules, Extended T-Systems and Correlation Functions for higher rank

Monday 6 February 2023 17:10 (55 minutes)

My talk will be about an application of the snake modules intruduced by Moukhin and Young in 2012. I will give a short summary of the construction regarding a recursion formula for the correlation functions of the rational spin ½ XXX chain that was done by Boos et al. in 2004. Most surprisingly, the behaviour of this recursion is completely determined by the Kirillov Reshetikhin modules. Then, I will explain an attempt for the generalization to higher rank and describe how certain snake modules naturally appear as candidats for the generalizations of the Kirillov Reshetikhin modules.

Presenter: Mr JUERGENS, Henrik (University of Wuppertal)