

Jules Lamers

Title:

“Functional equations from the reflection algebra”

Abstract:

This poster gives an overview of our recent paper "Reflection algebra and functional equations" (arXiv:1405.4281, joint work with W. Galleas). We derive a functional equation determining the partition function of a six-vertex model with both reflecting and domain-wall boundaries. This allows us to express the partition function as a multiple-contour integral, and gives rise to a linear PDE satisfied by the partition function.