THE QUANTUM SPACETIME SEMINAR SERIES

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Department of Theoretical Physics

Rank-Level Duality of Conformal Blocks

Swarnava Mukhopadhyay

(TIFR, Mumbai)

Date: October 14th, 2019

Time: 11.30 am

Venue: A-304, TIFR

We consider decompositions of conformal blocks associated with affine Kac-Moody Lie algebras under conformal embeddings. These decompositions often induce a perfect pairing between conformal blocks associated with two different Lie algebras typically interchanging the rank of Lie algebras with the levels involved and vice-versa. In this talk, we will survey known results on rank-level duality isomorphisms and discuss some applications.

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