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Fock Spaces Associated with Coxeter Groups of Type B'

mercredi 15 novembre 2023 09:30 (45 minutes)

In the talk, we give the construction of Fock space related to the infinite hyperoctahedral group, which is related to the two-parameters function $F(q_+, q_-)$. We show that $F(q_+, q_-)$ is positive definite if and only if it is an extreme character of the infinite hyperoctahedral group. We then classify the corresponding set of parameters q_+ and q_-. We apply our construction to a cyclic Fock space of type B, generalizing the results of Bozejko and Guta.

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