

Name: Nobuhiro Asai

Title: A combinatorial moment formula associated with a deformed Poisson type operator

Abstract:

We shall present a combinatorial moment formula associated with a Poisson type operator, which determine a deformed Poisson distribution of two parameters with respect to the vacuum state. To derive the formula, the cards arrangement technique plays important roles to enumerate the set partitions and their statistics. Moreover, we shall also present the recurrence formula of the orthogonal polynomials of our two parametrized deformed Poisson distribution.

The talk is based upon the collaboration with H.Yoshida (Ochanomizu University, Tokyo).