

(q, t) -analogues of $n!$ and $(n + 1)^{n-1}$

Saturday, 1 October 2022 15:15 (20 minutes)

The numbers $n!$ and $(n+1)^{n-1}$ are ubiquitous in combinatorics. Each number counts number of permutations and parking functions, respectively. I will discuss their (q, t) -generalizations and further generalization to symmetric functions, namely the modified Macdonald polynomials \tilde{H}_μ and ∇e_n . Then I will discuss a recent conjecture involving these two symmetric functions. Based on joint work with Donghyun Kim and Seung Jin Lee.

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