

1155-05-376

Konstantin Matveev* (kmatveev@math.rutgers.edu), 411 Frelinghuysen Road, Piscataway, NJ 08901. *Positivity for symmetric functions and vertex models*. Preliminary report.

One question is about classifying homomorphisms with positive values on the family of Macdonald symmetric functions. The other is about non-obvious positivity of certain quantities for the stochastic six-vertex model. I will talk about the relation between these two questions and what it has to do with the RSK. (Received January 19, 2020)