



Факультет математики и компьютерных наук
Санкт-Петербургский государственный университет

Семинар “Алгебраическая и другая комбинаторика”

11 апреля (четверг), 19:00, Zoom ID 3101721994, пароль: наименьшее составное
нечётное кратное числа 41

Cesar Cuenca
"The Symplectic Schur Process"

Abstract: We introduce a new symmetric function, called down-up Schur function, that plays the role of skew Schur function for symplectic groups. Many combinatorial identities for this function are developed and employed to construct the Symplectic Schur process. This new probability measure shares many desirable properties with the classical Schur process of Okounkov-Reshetikhin and we will explain some of them in this talk, including the property of being a determinantal point process and the connection to the Berele insertion algorithm and its limiting behavior. This talk is based on joint work with Matteo Mucciconi (U. of Warwick).