Combinatorial aspects of infinitesimal free probability with amalgamation

曾培倫

Queen's University

In this talk, I will briefly introduce the combinatorial aspects of infinitesimal free probability and the application to random matrices. Then, I will introduce the operaror-valued setting of infinitesimal free probability. It will provide us a method to compute the infinitesimal laws of polynomials in infinitesimally free selfadjoint random variables.