

Asymptotic analysis of a class of 2D orthogonal polynomials, with applications to the Normal Random Matrix Model

Ken McLaughlin
University of Arizona, USA

I will discuss joint work with Ferenc Balogh, Marco Bertola, and Seung-Yeop Lee, concerning orthogonal polynomials arising in a normal matrix model. The aim is towards the understanding of the microscopic eigenvalue statistics as the matrix size tends to infinity through the orthogonal polynomial kernel.