

Operator Theory and Analytic Function Spaces

Polyanalytic Ginibre Ensembles

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I will discuss asymptotic behaviour of a system of free fermions in the plane subjected to a constant magnetic field, so that the number of Landau levels is in the system is fixed and the number of particles at each level increases. One can then compute scaling limits of the correlation kernel of the system. I will also mention what can happen when the number of Landau levels tends to infinity. Joint work with Hkan Hedenmalm and Aron Wennman.