Atelier sur les variétés de métriques et les méthodes probabilistes en géométrie et analyse

2–6 juillet, 2012

WORKSHOP ON MANIFOLDS OF METRICS AND PROBABILISTIC METHODS IN GEOMETRY AND ANALYSIS

JULY 2-6, 2012

Rescaling Ward identities for random normal matrix ensembles

Nikolai Makarov*

makarov@caltech.edu

We will study the distribution of eigenvalues near the boundary and near some singular points in the bulk. The method is based on analysis of rescaled Ward identities.

This is a joint work with Yacin Ameur and Nam-Gyu Kang.

^{*}Department of Mathematics, Caltech, 253-37, Pasadena, CA 91107, USA.