

1112-60-567

**Paul Bourgade\*** ([bourgade@cims.nyu.edu](mailto:bourgade@cims.nyu.edu)), 251 Mercer Street, New York, NY 10012. *Quantum Unique Ergodicity as a tool for Universality for random matrices.*

Eugene Wigner has envisioned that the distributions of the eigenvalues of large Gaussian random matrices are new paradigms for universal statistics of large correlated quantum systems.

I will explain recent developments proving this paradigm for eigenvalues of some geometry-dependent random matrices of band type. Some random walks in dynamic random environments play a key role. (Received August 11, 2015)