



Seminar/Talk

# Strong convergence of random matrices with latent geometries

**Charles Bordenave**

Aix-Marseille Université

Host: M. Beiglböck, N. Berestycki, L. Erdős, J. Maas, F. Toninelli, E. Schertzer

We will present recent results on the convergence of the operator norm of random matrices of large dimension. Our random matrices are build by taking tensor products of deterministic matrices and independent Haar distributed unitary matrices or independent random permutation matrices. This class of random matrices allows for example to consider random Schreier graphs of Cartesian products of free groups. They are motivated by questions in operator algebra, representation theory and spectral graph theory. The talk will be notably based on joint works with Benoit Collins.

**Monday, January 22, 2024 03:45pm - 04:45pm**

Mondi 2 (I01.01.008), Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.