



**UNIVERSITÄT
BIELEFELD**



Faculty of Physics



Faculty of Mathematics



THE UNIVERSITY OF
MELBOURNE

Seminar

Bielefeld - Melbourne Random Matrices

Guillaume Dubach

IST Austria

Eigenvectors of Truncated Unitary Ensembles

Left and right eigenvectors of non-Hermitian random matrices can be chosen so as to form a biorthogonal family.

One of the most relevant statistics about them is the "matrix of overlaps", introduced in the late 90's by Chalker & Mehlig and studied since in different models, using a variety of techniques. I will present some recent progress on the study of overlaps between eigenvectors in the Truncated Unitary Ensembles (truncations of Haar-distributed unitary matrices) and related models of random matrices.

Wednesday, 26 January 2022, 0900 hrs CET

Zoom Conference Call— Please contact Gernot Akemann
(akemann@physik.uni-bielefeld.de) for details regarding access