



**UNIVERSITÄT
BIELEFELD**



Faculty of Physics



Faculty of Mathematics



THE UNIVERSITY OF
MELBOURNE

Seminar

Bielefeld - Melbourne Random Matrices

Jesper Ipsen

University of Melbourne

Statistical Field Theory for Fixed Points: Known results and open questions

We will talk about a way to construct an “effective statistical field theory” for fixed points in “generic” complex systems based on rotational symmetry. Rather than focus on particular technical details, we will attempt to give a greater overview of this framework and its connection to Random Matrix Theory through discussions of several known results as well as several open questions. We will talk about non-autonomy, non-linearity, and anisotropy and effects on stability and resilience.

Wednesday, 28 April 2021, 0900 hrs CEST

Zoom Conference Call— Please contact Anas Rahman
(anas.rahman@live.com.au) for details regarding access