

Mathematical Physics Seminar

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Exploring the boundaries of universality for Gaussian perturbations of Hermitian matrices

We explore the boundaries of sine kernel universality for the eigenvalues of Gaussian perturbations of large deterministic Hermitian matrices. Equivalently, we study for deterministic initial data the time after which Dyson's Brownian motion exhibits sine kernel correlations. We explicitly describe this time span in terms of the limiting density and rigidity of the initial points. This is joint work with Tom Claeys and Martin Venker.

Thursday, 18.01.2018, 16:00 Uhr
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