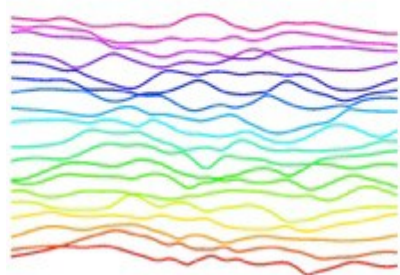
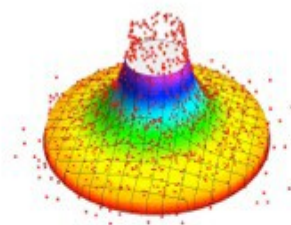


ZiF WORKSHOP

Sums & Products*of**Random Matrices***27 – 31 August 2018**

Convenors: Gernot Akemann (Bielefeld, GER)
Giusi Alfano (Torino, ITA)
Friedrich Götze (Bielefeld, GER)
Mario Kieburg (Bielefeld, GER)

Giuseppa Alfano	Products of Ginibre and deterministic matrices in the analysis of correlated multiantenna
Yacin Ameur	The normal matrix model with a hard edge spectrum
Octavio Arizmendi Echegaray	Finite Free Probability
Serban Belinschi	Free noncommutative functions and applications to random matrix theory
Zdzisław Burda	Limiting Laws for Lyapunov Spectra For Products of Ginibre Matrices
Giuseppe Caire	Truncated Polynomial Expansion of Precoders and Receivers for Massive MIMO Wireless Communications
Burak Çakmak	Mean-field methods for Boltzmann machine learning with multiple hidden units: Free probability approach
Tom Claeys	Large gap asymptotics at the hard edge for product random matrices and Muttalib-Borodin ensembles
Manon Defosseux	Pitman transforms and Brownian motion in the interval
Vadim Gorin	Macroscopic fluctuations for sums and products of invariant matrices
Jacek Grela	Full Dysonian Dynamics of the Complex Ginibre Ensemble

Adrien Hardy	DLR equations for the sine-beta process
Jesper R. Ipsen	From multilayered complex systems to products of random matrices
Holger Kösters	On some product matrices with heavy-tailed limiting spectral distributions
Torben Krüger	Local law for polynomials of Wigner matrices
Arno Kuijlaars	Universality of the Muttalib-Borodin ensemble at the hard edge
Santosh Kumar	Some Composite Ensembles of Random Matrices: Eigenvalue Statistics and Applications
Romuald Lenczewski	Random matrices, continuous circular systems and the triangular operator
Dang-Zheng Liu	Spectral statistics for product matrix ensembles of Hermite type with external source
Tobias Mai	Regularity properties of limiting eigenvalue distributions by means of free probability theory
Wojciech Młotkowski	Fuss Catalan numbers in noncommutative probability
Thorsten Neuschel	Critical behavior for Gaussian perturbations of Hermitian matrices
Maciej Nowak	Wishart ensemble versus quantum-mechanical hydrogen atom problem
Aleksander Yu. Orlov	Hurwitz numbers and matrix integrals
Sean O'Rourke	Universality and least singular values of random matrix products
Lamberto Rondoni	From quantum multibarrier systems to boundary driven Zero Range models
Nick Simm	The real spectrum of a product of Ginibre matrices
Eugene Strahov	Product matrix processes as limits of plane partitions
Wojciech Tarnowski	Eigenvector non-orthogonality in non-Hermitian random matrices
Alexander Tikhomirov	Local law for spectra of product of random matrices under moment conditions
Antonia M. Tulino	tba
Dong Wang	Muttalib-Borodin ensemble with general potential via 1×2 vector-valued Riemann-Hilbert problem
Oleg Zeitouni	Ginibre Evolutions in the large- N limit
Lun Zhang	Asymptotic analysis of the product of two coupled random matrices
