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ENG #105



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UNIVERSITY OF COLORADO
AT BOULDER

UCCS Department of Mathematics

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Colloquium Series

EXTREMAL LAWS THE REAL GINIBRE ENSEMBLE

ABSTRACT: If you were to ask an innocent bystander to give you a random matrix, it is likely that they would produce the n by n matrix with all entries independent Gaussian variables. This is known as the real Ginibre ensemble, and turns out to be surprisingly hard to analyze from the standpoint of local eigenvalue limit theorems. We will describe recent results on the fluctuations of the spectral radius of this ensemble. (Joint with C. Sinclair, Univ. Oregon.)

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