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The numerical range of random matrices

Given square complex random matrix A its numerical range is defined as $W(A) = \{(x, Ax) : |x| = 1\}$. We show that the numerical range of the Ginibre $n \times n$ matrix (i.e., the matrix with i.i.d. centered Gaussian complex random variables of variance $1/n$) converges to the disk of radius $\sqrt{2}$. We discuss other ensembles as well. (Received August 26, 2013)