

Contribution Title: ON ESTIMATES OF THE MOMENTS OF WIGNER
RANDOM MATRICES
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Unifying two different approaches proposed by Z. Füredi and J. Komlós from one side and Ya. Sinai and A. Soshnikov from another side, we develop a method to estimate the high moments of large hermitian random matrices whose entries are given by jointly independent centered random variables with given variance. This allows us to generalize the results obtained by A. Soshnikov on the universality conjecture of the edge eigenvalue distribution in the Wigner ensemble of random matrices.