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Yin Jun* (jyin@math.wisc.edu), Select. *Isotropic Local Law and Deformed Random Matrix*.

In this talk, we introduce some recent work on distributions of eigenvalues and eigenvectors of the Wigner matrix (or covariance matrix) with finite perturbation. Especially the local laws about the outliers about these models. One of the main tools of these work is called local isotropic law. (Received September 12, 2013)