

VIRTUAL EAST-WEST SCV SEMINAR

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EQUIDISTRIBUTION FOR WEAKLY HOLOMORPHIC SECTIONS OF LINE BUNDLES ON ALGEBRAIC CURVES

We prove the convergence of the normalized Fubini-Study measures and the logarithms of the Bergman kernels of various Bergman spaces of holomorphic and weakly holomorphic sections associated to a singular Hermitian holomorphic line bundle on an algebraic curve. Using this, we deduce the asymptotic distribution of the zeros of random sequences of sections in these spaces. The results are joint with George Marinescu.
