

Ginibre point process and its palm measures: absolute continuity and singularity

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Ginibre point process on the complex plane is defined as the limiting eigenvalue processes of complex Gaussian matrix ensemble. This is known as an important example of determinantal point process (DPP). The Palm measure of DPP is again a DPP and the repulsive nature of DPP makes the density of its Palm measure decrease. In this talk, we discuss the problem of absolute continuity and singularity for Ginibre point process and its palm measures.

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