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Stability of crystalline measures under random perturbations

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A crystalline measure is a purely atomic measure that satisfies a Poisson summation formula, meaning its Fourier transform is also a purely atomic measure. These measures are connected to various problems in analysis, making their properties an interesting subject of study. Motivated by certain results on lattices, we investigated the behavior of such measures under random perturbations. In this talk, I will present the results we have obtained in this direction in collaboration with Jorge Antezana.