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Multifractal Analysis of Harmonic Measure.

In the talk, we discuss the fine dimensional properties of planar harmonic measure. More specifically, we will examine various notions of the *multifractal spectra of harmonic measure* and discuss sharp bounds on them. Additionally, we will highlight the relationship of the multifractal spectra with the distortion properties of conformal maps near the boundary. The talk is based on joint work with A. Glücksam.