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*A result on harmonic measure with applications to Taylor series*

Let $f$ be a holomorphic function on the unit disc, and let $(S_{n_k})$ be a subsequence of its Taylor polynomials about $0$. The main result of this talk is that the nontangential limit of $f$ and $\lim_{k \to \infty} S_{n_k}$ agree at almost every point of the unit circle where they simultaneously exist. The key of the proof lies in a convergence theorem for harmonic measures that is of independent interest. Moreover, we will discuss applications of the above result to certain spaces of universal holomorphic functions. (Joint work with Stephen Gardiner)