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Growth of measurably entire function and related questions

Let T be the action of the complex plane on the space of entire functions defined by translations, i.e. T_w takes the entire function $f(z)$ to the entire function $f(z + w)$. B.Weiss showed in '97 that there exists a probability measure defined on the space of entire functions, which is invariant under this action. In this talk I will present (almost) optimal bounds on the minimal possible growth of functions in the support of such measures, and discuss other growth related problems inspired by this work. The talk is partly based on a joint work with L. Buhovsky, A.Logunov, and M. Sodin.