

İSTANBUL ANALYSIS SEMINARS

ROOTS OF POLYNOMIALS WITH POSITIVE COEFFICIENTS

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Abstract: The talk is based on a joint work with Walter Bergweiler and Alan Sokal. Consider a polynomial with positive coefficients. Uniform probability distribution on its roots is a probability measure in the complex plane with finitely many atoms. We describe the closure of this set of measures. This result has application to the study of random polynomials.

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