From Weyl's Criterion to Bilu's Equidistribution Theorem

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Abstract

In this talk, we discuss the theory of equidistribution, beginning with the foundational Weyl's criterion and its application to sequences in the unit interval, such as irrational rotations and polynomial sequences modulo one. After reviewing basic background on algebraic numbers and height functions, we present Bilu's Equidistribution Theorem, which describes the limiting distribution of the Galois orbits of algebraic numbers of small height.

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