

# Zeros of classical continuous and discrete orthogonal polynomials on the real line

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## Resumo

The theory of orthogonal polynomials, and especially the behavior of their zeros, is a fundamental tool in classical analysis and its multiple applications. Significant progress in this area involve pioneering results of Markov and Stieltjes, among others . The aim of this talk is to provide most of the classical results, involving the behavior of zeros of orthogonal polynomials related to both the continuous and the discrete case and, also, many contemporary results that can only be found in specialist magazines. All this material is designed for self-sufficiency and is in comprehensible language, especially bearing in mind those who are meeting these concepts for the first time.

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