

RECENT TRENDS ON ANALYTIC PROPERTIES OF MATRIX ORTHONORMAL POLYNOMIALS *

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Abstract. In this paper we give an overview of recent results on analytic properties of matrix orthonormal polynomials. We focus our attention on the distribution of their zeros as well as on the asymptotic behavior of such polynomials under some restrictions about the measure of orthogonality.

Key words. matrix orthogonal polynomials, zeros, asymptotic behavior.

AMS subject classifications. 42C05, 15A15, 15A23.

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