

ON ORTHOGONAL POLYNOMIALS ASSOCIATED WITH PERTURBATIONS OF HANKEL MATRICES

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In this contribution, we study algebraic properties of orthogonal polynomials associated with perturbations of Hankel matrices. In particular, we give explicit expressions for such polynomials, and obtain some properties associated with their zeros.

Joint work with K. Castillo (Universidade Estadual Paulista, Brazil), D. Dimitrov (Universidade Estadual Paulista, Brazil) and F. Rafaeli (Universidade Estadual Paulista, Brazil).