Kenndeth D. T-R McLaughlin* (mcl@math.arizona.edu), Department of Math, University of AZ, 617 N. Santa Rita Ave, Tucson, AZ 85721. Asymptotic analysis of orthogonal polynomials by Riemann-Hilbert and d-bar techniques, and applications.

We will discuss some recent developments in the asymptotic analysis of orthogonal polynomials by Riemann-Hilbert and d-bar methods, and perhaps some applications to random matrix theory. (Received October 05, 2004)