

Meeting: 1003, Atlanta, Georgia, SS 38A, AMS-SIAM Special Session on Orthogonal Polynomials—Random Matrices—Integrable Systems: Interdisciplinary Aspects, I

1003-43-1045 **Jeffrey S Geronimo*** (geronimo@math.gatech.edu), Georgia Institute Of Technology, Atlanta, GA 30030. *Orthogonal Polynomials with unbounded recurrence coefficients: Their Asymptotics and Weight functions.*

We will discuss the asymptotics of Orthogonal polynomials on the real line whose recurrence coefficients tend to infinity. We will also discuss a method for constructing the weight function with respect to which these polynomials are orthogonal. (Received October 03, 2004)