

1135-41-1268 **Brian Simanek*** (brian_simanek@baylor.edu), Baylor Math Department, One Bear Place
#97328, Waco, TX 76798. *Geronimus Polynomials on the Unit Circle.*

The Geronimus polynomials are a family of orthogonal polynomials on the unit circle whose corresponding sequence of Verblunsky coefficients is constant. We will present a new formula for these polynomials in terms of Chebyshev polynomials of the second kind and then consider some applications of this formula. The most substantial application we will discuss is a universality result at the endpoint of an arc of the unit circle that supports the measure of orthogonality. (Received September 20, 2017)