XIANG-SHENG WANG, University of Louisiana at Lafayette

Asymptotic analysis of difference equations

In this talk, we will present some preliminary results on the asymptotic analysis of Wilson polynomials and q-orthogonal polynomials via difference equations. The first result is based on an ongoing joint work with Prof. Yu-Tian Li and Prof. Roderick Wong. The second result is based on an ongoing joint work with Prof. Dan Dai and Prof. Mourad Ismail.