Matrix Transformation of Generalized Shifted Chebyshev Koornwinder's Type Polynomials Basis

Mohammad Mohammad A. AlQudah
German Jordanian University

Abstract. This paper provides an explicit form of the generalized shifted Chebyshev Koornwinder's type polynomial of first kind in terms of Bernstein basis of fixed degree n. Moreover, explicit forms of generalized shifted Chebyshev Koornwinder's type and Bernstein polynomials bases transformations were provided. Joint work with Maalee N. AlMheidat.