NEW MATRIX FORMULAS FOR LAGUERRE MATRIX POLYNOMIALS

BAYRAM ÇEKIM AND ABDULLAH ALTIN

Abstract. In this paper, we obtain some properties for Laguerre matrix polynomials. The relations between Laguerre and Jacobi matrix polynomials in this study are indicated. We also derive multilinear and multilateral generating matrix functions for Laguerre matrix polynomials.


Keywords and phrases: Laguerre matrix polynomials, Jacobi matrix polynomials, generating matrix function, beta matrix function.

REFERENCES