



**THREE-INDEX THREE-VARIABLE CHEBYSHEV-LIKE
MATRIX POLYNOMIALS**

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Abstract

In [S. Khan and A. Al-Gonah, Multi-variable Hermite matrix polynomials: properties and applications, J. Math. Anal. Appl. 412 (2014), 222-235], S. Khan and A. Al-Gonah defined the 3-index 3-variable Hermite matrix polynomials. Using them, we define 3-index 3-variable Chebyshev-like matrix polynomials including Chebyshev matrix polynomials of the same type.

Keywords and phrases: Chebyshev-like matrix polynomials, 3-index 3-variable.

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