عنوان مقاله:

Construction a novel generating functions for the products of certain numbers and orthogonal polynomials in several variables using the symmetric functions technique

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خلاصه مقاله:

In this paper, we introduce novel generating functions of the products of k-Fibonacci numbers, k-Lucas numbers, k-Pell numbers, k-Jacobsthal numbers, k-Mersenne numbers and symmetric functions in multiple variables. Accordingly, the novel generating functions are assigned to the other orthogonal Chebyshev polynomials with symmetric functions in multiple variables.

کلمات کلیدی:

Symmetric functions, Generating functions, k-Fibonacci numbers, k-Lucas numbers, k-Pell numbers, k-Mersenne numbers, Chebishev polynomials

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