



PSEUDO CHEBYSHEV-LIKE POLYNOMIALS OF TWO VARIABLES

Tadayoshi Takebayashi

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Abstract

Khammash et al. [G. S. Khammash, M. T. Mohamed and A. Shehata, On pseudo Chebyshev matrix polynomials of two variables, Inter J. Math Archive 2 (2011), 1022-1026] defined the pseudo Chebyshev matrix polynomials of two variables by using the pseudo Hermite matrix polynomials [M. S. Metwally, M. T. Mohamed and A. Shehata, On pseudo Hermite matrix polynomials of two variables, Banach J. Math. Anal. 4(2) (2010), 169-178]. In [T. Takebayashi, Pseudo Chebyshev polynomials of two variables of the second kind, Pioneer Journal of Mathematics and Mathematical Science 27(1) (2019), 43-47], we defined pseudo Chebyshev polynomials of the second kind by using the pseudo Hermite polynomials [Giuseppe Dattoli, Pseudo Laguerre and pseudo Hermite polynomials, Atti Accad. Naz. Lincei Cl. Sci. Fis. Mat. Natur. Rend. Lincei (9) Mat. Appl. 12(2001) (2002), 75-84]. Further, we define pseudo Chebyshev-like polynomials including it.

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