



PSEUDO CHEBYSHEV POLYNOMIALS OF TWO VARIABLES OF THE SECOND KIND

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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]. We define 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].

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