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DETERMINANT REPRESENTATIONS OF APPELL POLYNOMIAL SEQUENCES

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Abstract. In this paper, we develop a new representation for Appell polynomial sequence via determinants. In addition, we demonstrate a direct application of this determinant formula (representation) for Appell sequence by deriving a determinant formula for a power series of a function $f(t)$ in terms of the power series of its algebraic inverse function $1/f(t)$.

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