

On the Properties of a Quasi-Fibonacci Polynomial Sequence

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Properties of several Fibonacci type polynomial sequences have been explored, especially the asymptotic behavior of the maximum roots. In this talk we will be exploring the properties of a Quasi-Fibonacci polynomial sequence defined by the recursion $F_0 = -1$, $F_1 = x - 1$, and $F_n = F_{n-1} + x^k F_{n-2}$, for k being a positive integer. Analytic as well as numerical results will be presented.