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Abstract

We study some divisibility properties related to the factors of the discriminant of the characteristic polynomial of generalized Fibonacci numbers $(G_n)_{n\geq 0}$ defined by $G_0 = 0$, $G_1 = 1$, and $G_n = pG_{n-1} + qG_{n-2}$ for $n \geq 2$, where p and q are given integers. As corollaries, we give some divisibility properties of some well-known sequences.