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On the K^{TH} -order derivative sequences of generalized Fibonacci and Lucas polynomials,

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Abstract In this note we consider two classes of polynomials U_n and V_n . These polynomials are special cases of $U_{n,m}$ and $V_{n,m}$ (see [2]), respectively. Also, U_n and V_n are generalized Fibonacci and Lucas polynomials. In fact, in this paper we study the polynomials $U_{n,3}$ and $V_{n,3}$, together with their k^{th} -derivative sequences $U_n^{(k)}$ and $V_n^{(k)}$. Some interesting identities are proved in the paper, for U_n , V_n , $U_n^{(k)}$ and $V_n^{(k)}$.