POLYNOMIAL SETS GENERATED BY FUNCTIONS OF THE FORM $G(2xt - t^2)K(2yt - t^2)$

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Abstract

The present paper deals with two variable polynomial sets generated by functions of the form $G(2xt - t^2)K(2yt - t^2)$. Its special cases analogous to Hermite, Legendre, Gegenbauer and Tchebicheff polynomials have been discussed.