A STANCU’S TYPE CUBATURE FORMULA

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Abstract. Starting with the Stancu’ bivariate approximation formula, a cubature formula is obtained. This formula is called “Stancu’s cubature formula”, because it is obtained by integrating the Stancu’s bivariate approximation formula. The coefficients of the above formula are determined. When the approximated function \( f \) is sufficiently differentiable, an upper bound estimation for the remainder term is established.

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