

A cubature formula of Schurer-Stancu type

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ABSTRACT.

Considering the bivariate Schurer-Stancu approximation formula, a new cubature formula is established, that will be called the Schurer-Stancu cubature formula. Its coefficients are determined and an upper bound estimation for the remainder term is established. As particular cases follow the cubature formulas of Schurer, Stancu and respectively Bernstein.

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