

**ASYMPTOTICS OF THE ERRORS
OF COMPLICATED CUBATURE FORMULAS***V. I. Polovinkin*

Convergence is studied of complicated cubature formulas at an arbitrary function of the classes $W_p^m(\Omega)$. Some formulas are deduced for the principal terms of integration errors. As a rule, the lattices of nodes are not assumed to be rectangular. The results are generalized to weighted cubature formulas.

Key words and phrases: quadrature processes, Sobolev spaces, cubature formulas, interpolation operators.

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