

# PRACTICAL FORMULA OF OPTIMAL QUADRATURE FOR A CLASS OF FUNCTIONS

## (Summary)

Quadrature formula of the type (1) and (15) where  $f \in W^p(M; x_0, x_n)$  are constructed with the assumption that the degree of exactitude equals 1 and arbitrary  $p$ , for which, the evaluation of the rest (7) respectively (16) take the minimum value.

The formula (14) is obtained with the evaluation (11) of the rest for  $p > 1$  and the formula (12) with the evaluation of the rest (13) for  $p = 1$  respectively the formula (18) with the evaluation (19) of the rest for  $p > 1$  and the formula (20) with evaluation of the rest (21), for  $p = 1$ .