

## LOBATTO TYPE QUADRATURE RULES FOR FUNCTIONS WITH BOUNDED DERIVATIVE

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*Abstract.* Inequalities are obtained for quadrature rules in terms of upper and lower bounds of the first derivative of the integrand. Bounds of Ostrowski type quadrature rules are obtained and the classical Iyengar inequality for the trapezoidal rule is recaptured as a special case. Applications to numerical integration are demonstrated.

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