QUADRATURE FORMULA WITH EXPONENTIAL-TYPE WEIGHTS

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Abstract

Let $\mathbb{R} = (-\infty, \infty)$, and let $Q \in \mathbf{C}^1(\mathbb{R}) : \mathbb{R} \to [0, \infty)$ be an even function. We consider the exponential-type weights $w(x) = e^{-Q(x)}$, $x \in \mathbb{R}$. In this paper, we obtain some quadrature formulas with the weight $w(x)$.