

**Smith, H. V.**

**Some error expansions for certain Gaussian quadrature rules.** (English) Zbl 1025.41018  
*J. Comput. Appl. Math.* 155, No. 2, 331-337 (2003).

The author obtains the coefficients of the error term for the Gaussian quadrature rule which is derived by *R. Kumar* [*J. Inst. Math. Appl.* 14, 175-182 (1974; [Zbl 0287.65015](#))]. In addition, he gives a numerical example and compares the results.

Reviewer: [Y.Avci \(İstanbul\)](#)

**MSC:**

[41A55](#) Approximate quadratures  
[41A80](#) Remainders in approximation formulas  
[41A50](#) Best approximation, Chebyshev systems

Cited in **2** Documents

**Keywords:**

Gaussian quadrature rule; Chebychev polynomial; error term

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**References:**

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