

[Ehrich, Sven](#)

High order error constants of Gauss-Kronrod quadrature formulas. (English) [Zbl 0859.41022](#)
[Analysis 16, No. 4, 335-345 \(1996\)](#).

We prove new upper and lower bounds for high order Peano error constants of Gauss-Kronrod quadrature formulas. The bounds are of sharp order. They are useful for comparisons with Clenshaw-Curtis and related formulas. The bounds are based on new results on the error of Gauss-Kronrod quadrature of Chebyshev polynomials.

MSC:

[41A55](#) Approximate quadratures
[65D32](#) Numerical quadrature and cubature formulas

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