

[Hale, Nicholas; Townsend, Alex](#)

Fast and accurate computation of Gauss-Legendre and Gauss-Jacobi quadrature nodes and weights. (English) [Zbl 1270.65017](#)

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MSC:

[65D32](#) Numerical quadrature and cubature formulas

[41A55](#) Approximate quadratures

Cited in **54** Documents

Keywords:

quadrature; Gauss-Legendre; Gauss-Jacobi; asymptotic expansion; numerical examples; algorithm; Newton's root-finding method

Software:

gaussq.f; Chebfun; LEGENDRE_{RULE}FAST; ORTHPOL; DLMF; FastGaussQuadrature; nag

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