GAUSSIAN QUADRATURE RULES - MADE ACCESSIBLE

W. Gautschi

Department of Computer Science, Purdue University West Lafayette, IN 47907-2107, USA wgautschi@purdue.edu

A software repository for Gaussian quadrature is currently being prepared. It consists of a large number of datasets containing Matlab software that allows the user to generate Gaussian quadrature rules to arbitrary precision, for any number of quadrature points, and for a large variety of classical and nonclassical weight functions.