

Walter Gautschi, Volume 1

Selected Works with Commentaries

Walter Gautschi has written extensively on topics ranging from special functions, quadrature and orthogonal polynomials to difference and differential equations, software implementations, and the history of mathematics. He is world renowned for his pioneering work in numerical analysis and constructive orthogonal polynomials, including a definitive textbook in the former, and a monograph in the latter area.

This three-volume set, is a compilation of Gautschi's most influential papers and includes commentaries by leading experts. The work begins with a detailed biographical section and ends with a section commemorating Walter's prematurely deceased twin brother. This title will appeal to graduate students and researchers in numerical analysis, as well as to historians of science.

Selected Works with Commentaries, Vol. 1

Numerical Conditioning

Special Functions

Interpolation and Approximation

Selected Works with Commentaries, Vol. 2

Orthogonal Polynomials on the Real Line

Orthogonal Polynomials on the Semicircle

Chebyshev Quadrature

Kronrod and Other Quadratures

Gauss-type Quadrature

Selected Works with Commentaries, Vol. 3

Linear Difference Equations

Ordinary Differential Equations

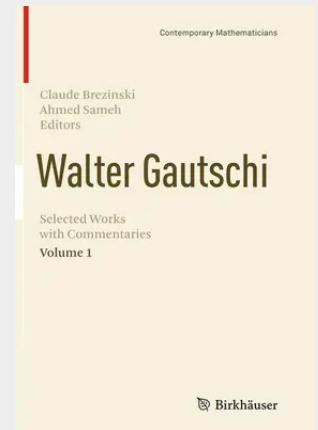
Software

History and Biography

Miscellanea

Works of Werner Gautschi

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