Lorentz, G. G.

Approximation of functions. 2nd ed. (English) Zbl 0643.41001

Some errors of the first edition (1966; Zbl 0153.38901) have been corrected and a faulty result about rational approximation has been replaced by a theorem of G. Freud. The changes are minimal.

MSC:

41-01 Introductory exposition (textbooks, tutorial papers, etc.) pertaining to approximations and expansions
41A10 Approximation by polynomials
41A50 Best approximation, Chebyshev systems
41A05 Interpolation in approximation theory
41A25 Rate of convergence, degree of approximation
42A10 Trigonometric approximation
41A65 Abstract approximation theory (approximation in normed linear spaces and other abstract spaces)
41A66 Approximation by arbitrary nonlinear expressions; widths and entropy
41A63 Multidimensional problems
41A40 Saturation in approximation theory
41A36 Approximation by positive operators

Keywords:
entropy; widths; algebraic polynomials; Jackson’s theorem; inverse theorem; saturation class; Bernstein polynomials