

## NEW QUADRATURE RULES FOR BERNSTEIN MEASURES ON THE INTERVAL $[-1, 1]^*$

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**Abstract.** In the present paper, we obtain quadrature rules for Bernstein measures on  $[-1, 1]$ , having a fixed number of nodes and weights such that they exactly integrate functions in the linear space of polynomials with real coefficients.

**Key words.** quadrature rules, orthogonal polynomials, measures on the real line, Bernstein measures, Chebyshev polynomials

**AMS subject classifications.** 33C47, 42C05

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