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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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