



**APPROXIMATION BY ALGEBRAIC POLYNOMIALS OF
SINGULAR FUNCTIONS WHICH ARE FRACTIONAL
INTEGRALS OF SUMMABLE FUNCTIONS**

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Received June 11, 2011

Abstract

For the class \overline{W}_∞^r , $0 < r < 1$, we investigate the pointwise approximation by algebraic polynomials. An asymptotic exact formula for that class is obtained.

Keywords and phrases: approximation by algebraic polynomials, best one-sided approximation, spline, Favard constant, truncated power, asymptotic equations.