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POLYNOMIAL INEQUALITIES, FUNCTIONAL SPACES AND BEST APPROXIMATION ON THE REAL SEMIAXIS WITH LAGUERRE WEIGHTS.*

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Abstract. This is a short survey on polynomial approximation with Laguerre weights. Some new polynomial inequalities are presented.

Key words. Orthogonal polynomials, polynomial inequalities, Fourier series, Lagrange interpolation.

AMS subject classifications. 41A10, 26D05.

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