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HERMITE AND HERMITE–FEJÉR INTERPOLATION AT POLLACZEK ZEROS

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Abstract

The Lagrange interpolation based on Pollaczek zeros has been considered in [1] (see also [2]). In this talk we study the uniform and L^p – convergence of the Hermite and Hermite–Fejér interpolation. Error estimates will be shown.

Keywords: Hermite interpolation, Hermite–Fejér interpolation, weighted polynomial approximation, orthogonal polynomials w.r.t. exponential weights, Pollaczek zeros.

AMS Classification: 41A05, 41A10.

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