Erratum

In the article "Convergence Rate for Hermite–Fejér Interpolation of Higher Order," by Yuan Xu, *in* "Progress in Approximation Theory" (P. Nevai and A. Pinkus, Eds.), pp. 893–897, Academic Press, San Diego, 1991:

The interpolation nodes are the zeros of Jacobi polynomials. The Jacobi weight function is $w(x) = (1-x)^\alpha (1+x)^\beta$. In the statement of Lemma 1 (p. 895), the condition $\alpha, \beta \leqslant -1/2$ was missing. This condition applies to the main result, Theorem B (p. 894). There was also a minus sign missing in (3). The correct statement of Theorem B is as follows.

THEOREM B. *Let m be an even positive integer, and assume that α, β satisfy the inequalities*

$$-1 < \alpha, \beta, \qquad -\frac{1}{2} - \frac{2}{m} < \alpha, \beta \leqslant -\frac{1}{2}, \qquad |\alpha - \beta| < \frac{1}{m};$$

then

$$\|H_{mn}(w, f) - f\| \leqslant c\omega_\varphi\left(f; \frac{\log n}{n}\right),$$

where c is a constant independent of f and n.

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