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REMARKS ON ALGORITHM 32

In Algorithm 32 (Zastosow. Matem. 14 (1974), p. 327-333) the following corrections are necessary:

The formula on p. 328_{11}, used for computation of subsequent values of orthogonal polynomials, should read

\[ C_{r+1}p_{r+1}(x_i) = (x_i - A_{r+1})p_r(x_i) - B_{r+1}p_{r-1}(x_i). \]

In the body of the algorithm on p. 330_{14}, instead of

\[ \text{if } \text{abs}(m - p[n + 1]) < 10 - 50 \]

there should be

\[ \text{if } \text{abs}(m - p[n + 1]) > 10 - 10. \]

Besides of reverting the sign of inequality, the small real number 10 - 50 used in the comparison was rather too optimistic. Working with the Algol 1204 compiler it is advisable to take 10 - 10 in the comparison.