Brutman, L.; Pinkus, A.

On the Erdős conjecture concerning minimal norm interpolation on the unit circle.


The authors complete the proof of the conjecture of P. Erdős [Mathematica (Cluj) **10**(33) (1968), 65–73; MR **38** #1437] discussed in the paper reviewed above [82b:30043] by showing that it is also correct when the number of nodes is even. This is done by showing the problem is equivalent to one involving interpolation by linear combinations of the functions

\{\sin \theta, \cos \theta, \sin 3\theta, \cos 3\theta, \ldots, \sin(2m-1)\theta, \cos(2m-1)\theta\}

on \([0, \pi]\). The trigonometric interpolation problem is then solved by adapting the reasoning of de Boor and the second author in their paper referred to in the above review [see 82b:30043 above].

Albert Baernstein, II (St. Louis, Mo.)