Rohwer, C. H.
The fast computation of Dolph-Chebyshev coefficients. (English) Zbl 0815.65147

A simple procedure for the calculation of Dolph-Chebyshev weightings for a phased array [see B. D. Steinberg, Principles of aperture and array system design, John Wiley & Sons (1976)] is given. This is achieved by arriving at a simple recursive method through an explicit formula and three basis transformations in the space of polynomial functions.

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MSC:

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Dolph-Chebyshev coefficients; Dolph-Chebyshev weightings; phased array; recursive method

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References:

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[3]: : Handbook of mathematical functions. · Zbl 1198.00002
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