

Abstracts

Difference pattern beam steering of coupled, nonlinear oscillator arrays

T. Health. "Difference pattern beam steering of coupled, nonlinear oscillator arrays." 2001 Microwave and Wireless Components Letters 11.8 (Aug. 2001 [MWCL]): 343-345.

In this letter, it is shown how to extend York's phase-shifterless beam steering technique to difference pattern scanning for monopulse applications. By making a simple modification to the coupling between the central elements of a one-dimensional array, the effective equivalence of the steered sum and difference problems is established.

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