

Abstracts

Null pattern synthesis of ferroelectric smart antennas

J. Modelska and Y. Yashchyshyn. "Null pattern synthesis of ferroelectric smart antennas." 2001 MTT-S International Microwave Symposium Digest 01.1 (2001 Vol. 1 [MWSYM]): 467-470 vol. 1.

In this paper, new method of null pattern synthesis of antenna arrays without phase shifters and attenuators has been presented. This concept is based on utilizing a voltage-controlled ferroelectric array, where the variable pattern of each antenna element is used to synthesize the array pattern with desired nulls.

[Return to main document.](#)