Abstracts

Spacing Optimization of Arrays Above an Imperfectly Conducting Ground as an Inverse Problem

L.A. Wegrowicz. "Spacing Optimization of Arrays Above an Imperfectly Conducting Ground as an Inverse Problem." 1978 MTT-S International Microwave Symposium Digest 78.1 (1978 [MWSYM]): 204-205.

The paper presents an analytical approach to an optimization of spacing and excitation of arrays generating a given directional pattern above an imperfectly conducting ground plane. The proposed method consists in two step consecutive approximation procedure in which Newton-Raphson and or Penrose-Moore or Tikhonov regularization techniques are used.

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