Abstracts

Electromagnetic Inverse Scattering of Inhomogeneous Uniaxial Two-Dimensional Objects

The inverse scattering of inhomogeneous uniaxial dielectric cylinders is investigated. Based on the properly arrangement of the direction and polarization of the incident field, a set of integral equations which can be solved by moment method and unrelated illumination method is derived. Numerical results are given to demonstrate the capability of the inverse algorithm.

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