Abstracts

On the Domain Integral Equation Method for Anisotropic Inhomogeneous Waveguides

The domain integral equation method for anisotropic inhomogeneous dielectric waveguides is derived, and the spectral properties of the integral operator are discussed. It is explained why spurious modes do not occur when the Galerkin method is applied to the domain integral equation. Furthermore, the convergence of the method is discussed.

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