Abstracts

Waveguide Input Method for Time-Domain Wave Propagation Algorithms

A waveguide feed method is constructed for time-domain wave propagation algorithms. The concept is to connect a region of homogeneous index of refraction to the waveguide region by a refractive index taper. The first example of this method finds the coupling efficiency for a given input into a waveguide of a partictdar index geometry. The second example of this method reveals the evolution of the propagation constant through a horn geometry.

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