

Abstracts

Evanescent Wave Method for Propagation in Graded Index Slab Waveguides

E. Navon and L.B. Felsen. "Evanescent Wave Method for Propagation in Graded Index Slab Waveguides." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 467-468.

The evanescent wave method employed previously for construction of high-frequency asymptotic modal solutions in symmetric slab waveguides with unbounded analytic refractive index profiles is generalized to account for an inhomogeneous guiding region embedded in a homogeneous exterior medium. Analytical and numerical results are presented for various classes of profiles.

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