

Abstracts

Field Distribution of Hybrid Modes in Dielectric Loaded Waveguides

K.A. Zaki and C. Chen. "Field Distribution of Hybrid Modes in Dielectric Loaded Waveguides." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 461-464.

Plots of the electric and magnetic field distributions of several propagating and evanescent hybrid modes in dielectric loaded circular waveguides are derived and presented. These plots have not been reported in the literature before, and can be very valuable in applications using the dielectric loaded waveguides and resonators, including microwave, millimeter wave and optical guiding structures.

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