

# Abstracts

## On the Consistency of Two Conventional Coupled-Mode Formulations for Parallel Dielectric Waveguides

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*H.-C. Chang. "On the Consistency of Two Conventional Coupled-Mode Formulations for Parallel Dielectric Waveguides." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. 1 [MWSYM]): 319-321.*

Two different formulations of the conventional coupled-mode theory, one based on the partition of the total field and the other based on the projections of the same field on local complete sets, are compared. They are proved to be consistent with each other when the individual waveguide mode overlap integrals are appropriately taken into account.

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