Abstracts

Self-Consistent Finite/Infinite Element Scheme for Unbounded Guided Wave Problems (Short Papers)

K. Hayata, M. Eguchi and M. Koshiba. "Self-Consistent Finite/Infinite Element Scheme for Unbounded Guided Wave Problems (Short Papers)." 1988 Transactions on Microwave Theory and Techniques 36.3 (Mar. 1988 [T-MTT]): 614-616.

An efficient finite-element approach for the eigenmode analysis of unbounded guided wave problems is described using decay-type infinite elements. To determine an optimum set of decay parameters, two algorithms based on successive approximation are presented and their validity is checked via the application to an optical fiber problem.

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