



2D-FDTD法计算波导截止频率的激励源设计与取样

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Optimization design of excitation sources and samples' position in computing cut-off frequency of waveguides by 2D-FDTD method

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摘要 在计算波导截止频率时,激励源的设计必须与波导中通过信号的模式相匹配.以矩形波导为例,用二维时域有限差分法(2D-FDTD)提出激励源的优化设计方案与采样点的有效选取问题.

关键词: 2D-FDTD 激励源 截止频率

Abstract: When computing the cut-off frequency of waveguide,the design of excitation sources must be matched the signals in the waveguide.The optimization design of excitation sources and samples' position are presented in computing the cut-off frequency of rectangle waveguides by 2D-FDTD method.

Key words: 2D-FDTD method excitation source cut-off frequency

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