

# Abstracts

## Field Patterns and Resonant Frequencies of High-Order Modes in an Open Resonator (Short Papers)

*P.K. Yu and K.M. Luk. "Field Patterns and Resonant Frequencies of High-Order Modes in an Open Resonator (Short Papers)." 1984 Transactions on Microwave Theory and Techniques 32.6 (Jun. 1984 [T-MTT]): 641-645.*

Using the electromagnetic perturbation theory, it is shown that the linearly polarized TEM/sub pl/ modes ( $l>0$ ) predicted by conventional methods are not the resonant modes in an open resonator. Instead, two other series of high-order modes are proposed with improved accuracy in resonant frequencies.

[Return to main document.](#)