

# Abstracts

## Guided Waves in Inhomogeneous Focusing Media Part II: Asymptotic Solution for General Weak Inhomogeneity

---

*C.N. Kurtz and W. Streifer. "Guided Waves in Inhomogeneous Focusing Media Part II: Asymptotic Solution for General Weak Inhomogeneity." 1969 Transactions on Microwave Theory and Techniques 17.5 (May 1969 [T-MTT]): 250-253.*

In this paper asymptotic methods are employed to solve for the vector fields and propagation constants of modes propagating axially in a circular-cylindrical guiding system in which the dielectric constant decreases gradually and monotonically, but otherwise arbitrarily, from a maximum at the axis.

[Return to main document.](#)

Click on title for a complete paper.