

# Abstracts

## Propagation through Hollow Cylindrical Anisotropic Dielectric Guides

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*B.B. Chaudhuri and D.K. Paul. "Propagation through Hollow Cylindrical Anisotropic Dielectric Guides." 1979 Transactions on Microwave Theory and Techniques 27.2 (Feb. 1979 [T-MTT]): 170-172.*

Hybrid mode in a circular hollow anisotropic dielectric guide is reported here. The use of such guide in fabricating gas laser is compared with its isotropic counterpart. It has been shown that proper choice of anisotropic material can increase the net gain of gas lasers.

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