

# Abstracts

## Field expressions and patterns in elliptical waveguide

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Sen Li and Bai-Suo Wang. "Field expressions and patterns in elliptical waveguide." 2000 *Transactions on Microwave Theory and Techniques* 48.5 (May 2000 [T-MTT]): 864-867.

The elliptic waveguide have been used in several systems such as satellite communication and radar feed lines. In this paper, the field expressions in Fourier series are obtained. The field patterns with over 30 modes with three eccentricities ( $e=0.3, 0.75, 0.9$ ) are plotted.

 [Return to main document.](#)