

# Abstracts

## Variational Solutions on Two Opposite Narrow Resonant Strips in Waveguide

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K. Chang. "Variational Solutions on Two Opposite Narrow Resonant Strips in Waveguide." 1987 *Transactions on Microwave Theory and Techniques* 35.2 (Feb. 1987 [T-MTT]): 151-158.

A variational analysis with experimental verification is made to calculate the discontinuities due to the two opposite narrow resonant strips in waveguide. The current ratio between the strips is determined and the mutual interactions are calculated. The analysis gives a closed-form solution which is quite general and which can be used to illustrate several special cases.

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