

# Abstracts

## The Lossy Waveguide as a Problem in Perturbation Theory (Short Papers)

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*J.L. Anderson. "The Lossy Waveguide as a Problem in Perturbation Theory (Short Papers)." 1989 Transactions on Microwave Theory and Techniques 37.11 (Nov. 1989 [T-MTT]): 1819-1821.*

A systematic perturbation theory for lossy waveguides is presented. Two possible small dimensionless parameters are identified and introduced into Maxwell's equations by rescaling pursuant to effecting an expansion of the fields in these parameters.

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