

# Abstracts

## Analysis of Waveguide Junctions by Rank Reduction

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*D.N. Zuckerman and P. Diamant. "Analysis of Waveguide Junctions by Rank Reduction." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 445-448.*

A new low-rank spectral expansion technique for solving intractable equations obtained from waveguide equivalence theorem decompositions is illustrated for a hybrid junction. The technique takes into account higher-order modes and eliminates spurious resonances.

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