

# Abstracts

## Capacitance of the Abrupt Transition from Coaxial-to-Circular Waveguide

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*M. Razaz and J.B. Davies. "Capacitance of the Abrupt Transition from Coaxial-to-Circular Waveguide." 1979 Transactions on Microwave Theory and Techniques 27.6 (Jun. 1979 [T-MTT]): 564-569.*

A least-squares boundary residual method is applied to calculate the discontinuity capacitance of an abrupt transition from coaxial-to-circular waveguide. Accurate values of the capacitance are presented here and compared with published results. Our results are believed to be accurate to about  $\pm 0.1$  fF and hence suitable for standards work.

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