

# Abstracts

## A Complete and Unambiguous Solution to the Super-TSD Multiport-Calibration Problem

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*J.W. Helton and R.A. Speciale. "A Complete and Unambiguous Solution to the Super-TSD Multiport-Calibration Problem." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 251-252.*

A rigorous and complete mathematical analysis of the projective matrix transformation has led to a self-consistent and unambiguous solution to the Super-TSD multiport-calibration problem.

Contrary to the conclusions of earlier analyses, the new procedure requires, in general, more than three n-port calibration-standards and determines the chain-scattering matrix (T-matrix) of the  $2n$ -port Super-TSD virtual error-network up to an arbitrary scalar factor.

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