

## Evaluation of SUPER-TSD Network-Analyzer Calibration Programs by Computer Simulation

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Two Fortran programs, which implement the SUPER-TSD calibration method for automated network analyzers, have been written for the conventional case of two-port scattering parameter measurements. These SUPER-TSD error-computation and error-removal programs are being evaluated by using computer-generated simulated calibration data representing known system errors, including leakage and switching errors. The results obtained so far confirm all the predictions of the SUPER-TSD theory, including the theoretically unlimited capability of removing leakage errors. This capability is limited in real measurements only by the finite system resolution and stability and by noise.

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