

Abstracts

Calibration of Test Fixtures Using at Least Two Standards

K.J. Silvonen. "Calibration of Test Fixtures Using at Least Two Standards." 1991 Transactions on Microwave Theory and Techniques 39.4 (Apr. 1991 [T-MTT]): 624-630.

A study is made of the determination of the error networks in the measurements of microwave circuits with arbitrary test fixtures. A general-purpose de-embedding method for known standards is shown. Also a method for symmetrical test fixtures is described. The method uses only two fixture standards, of which one must be a two-port standard with a transmission not equal to zero. A computer simulation is used to compare the error sensitivities of the different calibration algorithms.

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