

Abstracts

VIOMAP, the S-Parameter Equivalent for Weakly Nonlinear RF and Microwave Devices (Dec. 1994, Part II [T-MTT])

F. Verbeyst and M.V. Bossche. "VIOMAP, the S-Parameter Equivalent for Weakly Nonlinear RF and Microwave Devices (Dec. 1994, Part II [T-MTT])." 1994 Transactions on Microwave Theory and Techniques 42.12 (Dec. 1994, Part II [T-MTT] (1994 Symposium Issue)): 2531-2535.

This paper presents the Volterra input-output map as an extension of the S-parameters towards weakly nonlinear RF and microwave devices. This "VIOMAP" can be measured and it can be used to predict the behavior of cascaded nonlinear two-ports.

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