

Abstracts

Digital Signal Processing of Time Domain Field Simulation Results Using the System Identification Method (1992 Vol. II [MWSYM])

W. Kuempel and I. Wolff. "Digital Signal Processing of Time Domain Field Simulation Results Using the System Identification Method (1992 Vol. II [MWSYM])." 1992 MTT-S International Microwave Symposium Digest 92.2 (1992 Vol. II [MWSYM]): 793-796.

A new technique for significantly reducing the computation time of time domain field simulations using modern digital signal processing techniques is presented. The procedure leads to a simple model of the investigated structure in form of a digital filter. As an example the method is applied to a TLM simulation of a resonant cavity.

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