

Abstracts

Computer diagnosis and tuning of microwave filters using model-based parameter estimation and multi-level optimization

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This paper describes an approach for the computer diagnosis and tuning of microwave filters relying upon model-based parameter estimation and multi-level optimization. This approach uses the reduced-order system and the effect of measurement noise is also considered. This approach can be applied to many classes of the filters. Examples are presented to demonstrate its feasibility.

[Return to main document.](#)