

## Improved impedance-pattern generation for automatic noise-parameter determination

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*S. Van den Bosch and L. Martens. "Improved impedance-pattern generation for automatic noise-parameter determination." 1998 Transactions on Microwave Theory and Techniques 46.11 (Nov. 1998, Part I [T-MTT]): 1673-1678.*

The correlation between the impedance pattern for automatic noise-parameter determination and the accuracy of extracted parameters is investigated using a statistical approach. Selection criteria for near-optimal patterns are given, and a new method is proposed for automatic generation of these patterns. Simulations prove this method outperforms others using random or cross-shaped patterns.

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