

# Abstracts

## Microwave Active Filters Based on Transversal and Recursive Principles

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C. Rauscher. "Microwave Active Filters Based on Transversal and Recursive Principles." 1985 *Transactions on Microwave Theory and Techniques* 33.12 (Dec. 1985 [T-MTT] (1985 Symposium Issue)): 1350-1360.

Transferal and recursive filter concepts, normally associated with discrete-time applications, are adapted for implementation in the microwave frequency range. Principal focus is on microwave active filter designs that permit realization of wide bandwidths, with microwave transistors used as active elements. A transversal-type and a recursive-type experimental filter, both of which exhibit 9-15-GHz bandpass responses, serve to illustrate aspects of physical implementation, while offering a convenient basis for comparing the two different approaches.

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