

# Abstracts

## Computer-Aided Tuning of Microwave Filters

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*L. Accatino. "Computer-Aided Tuning of Microwave Filters." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 249-252.*

LCX synthesis and pattern search optimisation techniques are used to construct a very effective algorithm for computer aided tuning of microwave filters. Intercavity couplings and resonator detunings of the short-circuited network under test are worked out from the measurement of the phase of the reflection coefficient. The technique proves to be successful in tuning a 6-pole filter having both elliptic attenuation peaks and group delay equalisation and looks very promising for properly aligning channel filters of manifold multiplexers.

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