

# Abstracts

## Tapered Transmission Lines with a Controlled Ripple Response

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*J.P. Mahon and R.S. Elliott. "Tapered Transmission Lines with a Controlled Ripple Response." 1990 Transactions on Microwave Theory and Techniques 38.10 (Oct. 1990 [T-MTT]): 1415-1420.*

A synthesis procedure is presented which generalizes Klopfenstein's Dolph-Chebyshev design of a tapered transmission line to give a response with all lobe heights in the passband individually specified. A further generalization replaces the lobelike characteristic with a rippled response of controlled height. Physically realizable tapers result for both generalizations.

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