

# Abstracts

## Design of Transmission-Line Reactance Networks for Equalizer Applications

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*E.G. Cristal. "Design of Transmission-Line Reactance Networks for Equalizer Applications." 1970 Transactions on Microwave Theory and Techniques 18.9 (Sep. 1970 [T-MTT]): 531-540.*

Synthesis techniques are presented for realizing arbitrary transmission-line reactance functions in four common forms of arrays of coupled lines, together with minor variations of these forms. These are two types of interdigital lines and dual forms of half-wave parallel-coupled lines. Design examples are presented for each form of coupled-line network and variations. Although the synthesis procedures are developed from the point of view of applications to equalizers, the procedures are completely general.

 [Return to main document.](#)