

# Abstracts

## Tapped-Line Coupled Transmission Lines with Applications to Interdigital and Comblines Filters (Dec. 1975 [T-MTT])

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*E.G. Cristal. "Tapped-Line Coupled Transmission Lines with Applications to Interdigital and Comblines Filters (Dec. 1975 [T-MTT])." 1975 Transactions on Microwave Theory and Techniques 23.12 (Dec. 1975 [T-MTT] (1975 Symposium Issue)): 1007-1012.*

Exact, general, open-wire-line equivalent circuits for tapped-line combline and interdigital arrays are derived using a combination of graph transformations and induction. A significant feature of the equivalent circuits is that they do not require commensurate length sections. The equivalent circuit for tapped-line interdigital arrays is utilized to develop design equations for tapped-line interdigital filters.

 [Return to main document.](#)