

# Abstracts

## Computer Design of Inhomogeneous Quarter-Wave Transformers (Correspondence)

---

*T.D. Iveland. "Computer Design of Inhomogeneous Quarter-Wave Transformers (Correspondence)." 1969 Transactions on Microwave Theory and Techniques 17.2 (Feb. 1969 [T-MTT]): 120-121.*

An impedance transformer consisting of cascaded quarter-wave sections of different impedance levels is said to be inhomogeneous when the impedance ratio of two sections depends on frequency. The synthesis problem has been treated by Young and Matthaei et al. for one and two sections, and by Riblet for an arbitrary number of sections. This contribution describes a cut-and-try method for design of inhomogeneous transformers. The usefulness of the method has been experimentally confirmed.

 [Return to main document.](#)