

# Abstracts

## Unfolding the Lange Coupler (Short Papers)

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*R. Waugh and D. LaCombe. "Unfolding the Lange Coupler (Short Papers)." 1972 *Transactions on Microwave Theory and Techniques* 20.11 (Nov. 1972 [T-MTT]): 777-779.*

The broad-band microstrip quadrature coupler described by Lange is shown in Fig. 1(a). True quadrature coupling over an octave is realized as a consequence of the interdigital coupling section which compensates for even- and odd-mode phase velocity dispersion over the wide frequency range.

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