

# Abstracts

## A Time-Delay Equalizer Using Directional Filter Cascades (Correspondence)

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R.D. Standley. "A Time-Delay Equalizer Using Directional Filter Cascades (Correspondence)." 1971 *Transactions on Microwave Theory and Techniques* 19.5 (May 1971 [T-MTT]): 497-498.

In the millimeter-wave waveguide system considered for long-distance communication, the dispersive nature of the circular electric TE<sub>01</sub> mode can produce severe pulse distortion. To correct this problem, equalization of the guide delay distortion characteristic at the intermediate frequency is being considered. This correspondence shows that directional filter cascades are, in theory, capable of performing the required function.

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