# Abstracts

## Three-Phase Separator for Circular Polarization (Correspondence)

*D. Kajfez. "Three-Phase Separator for Circular Polarization (Correspondence)." 1969 Transactions on Microwave Theory and Techniques 17.9 (Sep. 1969 [T-MTT]): 726-727.*

The characteristics of a plane electromagnetic wave are described by specifying the two orthogonal polarization components that consitiute the wave. It is common practice to measure the two linearly polarized components of a wave. There is much less knowledge about the procedure of decomposing a plane wave into its circularly polarixed components, although such decomposition might be more natural in some situations, This correspondence reports on efforts to build a microwave system that makes possible direct simultaneous measurement of two circularly polarixed components, without previous decomposition into linearly polarized components. The principle of operation is similar to a three-phase system widely used in power transmission.

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