# Abstracts

## Two Examples of "Confluence" in Periodic Slow Wave Structures

*D.R. McDiarmid and G.B. Walker. "Two Examples of "Confluence" in Periodic Slow Wave Structures." 1968 Transactions on Microwave Theory and Techniques 16.1 (Jan. 1968 [T-MTT]): 2-6.*

The properties that result from the elimination of a stop-band of a lossless periodic slow wave structure are discussed. For two particular structures, it is shown that theory predicts a nonzero group velocity at the point of confluence of the two passbands. This confluence is desirable for linear accelerator structures operating at the /spl pi/-mode since it produces increased mode separation. Certain characteristics of zero and /spl pi/-mode confluence are also discussed.

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