

# Abstracts

## A General Proof of Floquet's Theorem (Correspondence)

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*M.J. Gans. "A General Proof of Floquet's Theorem (Correspondence)." 1965 Transactions on Microwave Theory and Techniques 13.3 (May 1965 [T-MTT]): 384-385.*

The purpose of this correspondence is to demonstrate the form of modes which are propagating in periodic structures. Although this form has long been used through an extension of Floquet's theorem for ordinary differential equations with periodic coefficients to modes propagating in periodic electromagnetic structures, its general validity for these modes, which are determined by partial differential equations, has not been demonstrated.

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