

# Abstracts

## Pulse Propagation in Multimode Fibers with Frequency-Dependent Coupling

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*R. Steinberg. "Pulse Propagation in Multimode Fibers with Frequency-Dependent Coupling." 1975 Transactions on Microwave Theory and Techniques 23.1 (Jan. 1975 [T-MTT] (Special Issue on Integrated Optics and Optical Waveguides)): 121-122.*

Marcuse's time-dependent coupled power equations are rederived so as to include the frequency dependence of the coupling coefficients. For the case of white-noise coupling, the solution is then expressed simply in terms of that for frequency-independent coupling.

 [Return to main document.](#)