

# Abstracts

## Integrated-Optical Single-Sideband Modulator and Phase Shifter

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*F. Heismann and R. Ulrich. "Integrated-Optical Single-Sideband Modulator and Phase Shifter." 1982 Transactions on Microwave Theory and Techniques 30.4 (Apr. 1982 [T-MTT] (Joint Special Issue on Optical Guided Wave Technology)): 613-617.*

A scheme of spatially weighted coupling between two wave-guide modes is proposed in which the weights form an electrooptically induced periodic coupling structure that can be moved at variable speeds forward or backward along the guide. The device can operate as an optical phase shifter with unlimited phase range, as a single-sideband amplitude modulator or frequency shifter, or as a polarization transformer.

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