

# Abstracts

## Slots in Dielectric Image Line as Mode Launchers and Circuit Elements

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K. Solbach. "Slots in Dielectric Image Line as Mode Launchers and Circuit Elements." 1981 *Transactions on Microwave Theory and Techniques* 29.1 (Jan. 1981 [T-MTT]): 10-16.

Slots in the ground plane of dielectric image lines are investigated using a planar resonator model. An equivalent circuit representation of the slot discontinuity is derived and the launching efficiency of the slot as a mode launcher is discussed. Slots are also demonstrated to be useful in the realization of dielectric image line array antennas.

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