

标题: Confinement of THz surface waves on the subwavelength size metal waveguide

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摘要: We investigate surface plasmon waves propagating on planar Goubau lines, so-called Goubau modes, using a guided-wave terahertz spectroscopy system based on a freely positionable electrooptic probe. We show the radial nature of the Goubau mode and its confinement around the Goubau line over a few tenths of microns ( $\lambda/10$ ).

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