

Abstracts

Plasma Modulation of an HCN Gas Laser (Short Papers)

G.D. Tait, L.C. Robinson and D.V. Bartlett. "Plasma Modulation of an HCN Gas Laser (Short Papers)." 1974 *Transactions on Microwave Theory and Techniques* 22. 12 (Dec. 1974, Part I [T-MTT] (Special Issue on the Proceedings of the First International Conference on Submillimeter Waves and Their Applications)): 1109-1111.

A transient plasma is located within the Fabry-Perot resonator of a dc hydrogen cyanide laser. Plasma tuning sweeps the resonator modes through the emission line of the HCN molecules and produces pulses of far-infrared output radiation. Pulse production by hydrogen, nitrogen, helium, and argon pulsed plasmas is discussed.

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