

# Abstracts

## Submillimeter-Wave Production by Upshifted Reflection from a Moving Ionization Front

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*M. Lampe, E. Ott, W.M. Manheimer and S. Kainer. "Submillimeter-Wave Production by Upshifted Reflection from a Moving Ionization Front." 1977 Transactions on Microwave Theory and Techniques 25.6 (Jun. 1977 [T-MTT] (Special Issue on the Proceedings of the Second International Conference on Submillimeter Waves and Their Applications)): 556-558.*

The Doppler shift and reflection coefficients are calculated for reflection of an electromagnetic (EM) wave from a moving ionization front in a stationary gas. It is suggested that this process can be used to upshift microwaves to submillimeter waves.

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