

Abstracts

On Mode Losses in Confocal Resonator and Transmission Systems (Correspondence)

J.C. Heurtley and W. Streifer. "On Mode Losses in Confocal Resonator and Transmission Systems (Correspondence)." 1965 *Transactions on Microwave Theory and Techniques* 13.5 (Sep. 1965 [T-MTT]): 711-712.

In a recent correspondence Lonngren and Beyer calculated the losses for a single iteration in a "beam waveguide" with circular lenses separated by twice their focal length. Since the confocal Fabry-Perot resonator with two identical circular mirrors may be studied by superimposing two guided wave beams propagating oppositely in the given system, the beam-waveguide losses allow one to determine the resonator Q.

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