Abstracts

Equivalence of Different Integral Equations for Confocal Resonators (Correspondence)

H. Kogelnik and S.P. Morgan. "Equivalence of Different Integral Equations for Confocal Resonators (Correspondence)." 1964 Transactions on Microwave Theory and Techniques 12.6 (Nov. 1964 [T-MTT]): 624-624.

Lotsch has proposed an integral equation for the modes of a two-dimensional confocal resonator, which he says is different from and more accurate than the integral equation used by earlier workers, such as Boyd and Gordon. Actually the two integral equations are completely equivalent. Lotsch's equation describes the field at the midplane of the resonator, and the simpler equation of Boyd and Gordon describes the field at either of the confocal mirrors.

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