

Modes and Losses of a Four-Mirror Ring Resonator (Letters)

P.F. Checcacci, R. Falciai and A.M. Scheggi. "Modes and Losses of a Four-Mirror Ring Resonator (Letters)." 1974 Transactions on Microwave Theory and Techniques 22.7 (Jul. 1974 [T-MTT]): 751-752.

An investigation is reported on modes and losses of a square ring resonator that consists of the numerical solution of the appropriate integral equation for a number of values of the mirrors' aperture and spacing. It turns out that two sets of modes can exist: circulating modes and modes between two facing mirrors. The circulating modes are of the Fabry-Perot type, and their losses can be evaluated on the basis of the losses of suitably equivalent Fabry-Perot resonators.

 [Return to main document.](#)