

ON THE ANGULAR STRUCTURE
OF THE FUNDAMENTAL MODE OF A
SMALL-APERTURE PLANE-PLANE CAVITY

S. P. Anokhov

International Center "Institute of Applied Optics",
Nat. Acad. of Sci. of Ukraine
(10G, Kudryavskaya Str., Kyiv 04053, Ukraine)

S u m m a r y

Two new laser optics phenomena are detected: a quantitative discrepancy between the far field angular distribution, which is formed by a small-aperture plane-plane cavity, and the Fourier transform of its fundamental mode; and the almost complete suppression of diffraction side lobes for a definite combination of geometric characteristics of the cavity.