

CORRECTION TO THE PAPER "FLUCTUATIONS OF
THE RADIATION FROM A GAS LASER HAVING A
RING CAVITY"*

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In my paper titled as above, which was published in Issue No. 2 of the present year (p. 252), there is an error: Eq. (26) contains an incorrect expression for the splitting frequency Ω_0 derived from Eq. (22). In order to find the small correction to Ω_0 that is caused by the effect of partial entrainment, one cannot use the approximation adopted in deriving (22). Correct calculation yielded the following approximate expression for Ω_0 :

$$\Omega_0 \approx \delta - \frac{B^2}{2\delta} - \frac{1}{2} \frac{\alpha}{p^2(1-n)^2 + \delta^2} \left\{ p(1-n)(r_1^2 - r_2^2) - \delta [2r_1 r_2 \sin 2\varepsilon + \alpha(r_1^2 + r_2^2 - 2r_1 r_2 \cos 2\varepsilon)] \right\}.$$

The approximation adopted in (22) did not affect the results of the calculations of the fluctuation processes.

I thank V. A. Markelov for indicating the error.

* Issue No. 2, 1971.

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