



## ERRATA: A Simple Analysis of the Propagating Acoustoelectric High Field Domain

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#### ERRATA

In "A Simple Analysis of the Propagating Acoustoelectric High Field Domain," [*Appl. Phys. Letters* **12**, 273 (1968)], E. Mosekilde, Physics Laboratory III, Technical University of Denmark, Lyngby, Denmark, the acoustic dispersion was neglected. This approximation, in general, is not valid for an acoustic domain traveling with a velocity close to the velocity of sound. Taking dispersion into account, Eqs. (1), (2), and (5) should be amended to read

$$\frac{\partial w}{\partial x} + v_{s3}^{-1} \frac{\partial w}{\partial t} = \beta w - 2\alpha_L w \quad (1)$$

$$\beta = B[(v/v_{s1}) - 1] \quad (2)$$

$$\frac{dF}{ds} = \frac{e}{\epsilon}(n - n_0)(v_D - v_{s0})/(v_D - v_{s2}) \quad (5)$$

Here  $v_{s0}$  and  $v_{s2}$  are the unstiffened and the piezoelectrically stiffened velocity of sound.  $v_{s1}$  and  $v_{s3}$  are the phase and the group velocity of the acoustic modes being amplified. Thanks are due to Dr. B. K. Ridley for pointing out these corrections to me.

In "Multijoule Pulses from CO<sub>2</sub> Lasers," [*Appl. Phys. Letters* **12**, 324 (1968)]. Alan E. Hill, Lear Siegler, Inc., Ann Arbor, Michigan, the captions beneath Figs. 2 and 3 should be interchanged.