
ERRATA

Erratum: “Envelope, Phase, and Frequency of Optical Radiation with Ultrabroad Spectrum in a Transparent Medium” [Zh. Eksp. Teor. Fiz. 138, 631 (2010); JETP 111, 557 (2010)]

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DOI: 10.1134/S106377611104025X

The evolution equations for the complex envelope and electric field of optical radiation with an ultrabroad spectrum in a transparent medium in Section 3 of the article are written in the *unidirectional propagation approximation*. This follows from the form of the equations and the literature cited, but is not explicitly indicated in the text, which may lead to misunderstanding.

The conclusion on the absence of a complex component (expressions (26) and (27)) was drawn for *reduced unidirectional propagation equations*. This conclusion is intermediate and does not concern the main results of the article. The method used for deriving the conservation laws for the evolution of the electric field of pulses consisting of a small number of oscillations [1] was employed earlier in [2–4]. The laws of conservation in the equations for envelopes are considered, for example, in [5, 6]. For pulses consisting of a small number of field oscillations, useful results based on conservation laws have been obtained recently in [7, 8]. In [9, 10], the invariability of the constant component of radiation was proved on the basis of the Maxwell equations without using the approximation of unidirectional propagation. This

conclusion is more general than expressions (26) and (27).

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