

Erratum: Relaxation oscillations of solitons [JETP Lett. 60, No. 6, 486 (1994)]

E. A. Kuznetsov and A. V. Mikhaïlov
 Pis'ma Zh. Eksp. Teor. Fiz. **60**, No. 9, 672 (10 November 1994)]

There are some misprints in some intermediate equations, for which the authors are responsible. The final results for the displacement of a soliton and for the oscillation frequencies are printed correctly. The sign in the argument of the exponential function should be changed in Eqs. (10)–(13), as should the sign on the integral in (17). Equation (16) should read

$$E(z,t) = E_1(z,t) - 2i\eta \left[e^{i\varphi} + \frac{E_1(z,t)}{2} \left(\frac{e^{-\theta}}{\lambda_0 - \xi} - \frac{e^{\theta}}{\bar{\lambda}_0 - \bar{\xi}} \right) \right] \\
\times \left(\cosh\theta + \frac{|E_1(z,t)|\eta}{|\lambda_0 - \xi|^2} \sin(\Phi_1 - \varphi) \right)^{-1}.$$

Here

$$\theta = 2\eta[t - \Delta(\xi) + 4\zeta z] + 2\gamma'',$$

$$\varphi = -2\zeta t + 4(\eta^2 - \zeta^2)z - 2\gamma' + \Phi_2,$$

$$\Phi_1 = \arg E_1,$$

$$\Phi_2 = - \int_{-\infty}^{\infty} \text{sign}(\xi' - \xi) \frac{(\xi' - \zeta)\alpha(\xi')d\xi'}{|\xi' - \lambda_0|^2},$$

$$\Delta(\xi) = \frac{1}{2} \int_{-\infty}^{\infty} \text{sign}(\xi' - \xi) \frac{\alpha(\xi')d\xi'}{|\xi' - \lambda_0|^2}.$$