

Physics of Solitons.

CAMBRIDGE UNIVERSITY PRESS (2006)

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May 2, 2020

We have found the following typos that we let you modify in your copy of the book.

Please let us know any other typo, you will dig out by sending a message to Thierry.Dauxois@ens-lyon.fr.

ERRATA

- p. 90, the change of variable (3.63) for ψ should read: $\psi = \varphi/\sqrt{Q}$.
- p. 96, in Eq. (3.99), the prefactor 1/2 has to be removed and the constant on the right-hand-side is different. Equation (3.99) should read

$$\int dX \{|\varphi_X|^2 - |\varphi|^4\} = C''' .$$

- p. 107, in Eq. (3.147), the variable ξ in the argument of the sech function should read τ , while the variable in the argument of the exp function should read ξ , which is actually equal to z .

$$\phi = \phi_0 \operatorname{sech} \left[\sqrt{\frac{Q}{2P}} \phi_0 \tau \right] e^{i \frac{Q\phi_0^2}{2} \xi} .$$

- p. 114, in Eq. (3.163), both prefactors 1/2 have to be removed. Equation (3.163) should read

$$H = \int_0^{+\infty} (|\nabla\phi|^2 - |\phi|^4) r dr = \int_0^{+\infty} \left(\left| \frac{\partial\phi}{\partial r} \right|^2 - |\phi|^4 \right) r dr .$$

- p. 381, in Eq. (A.31), replace $\frac{\partial^2\phi}{\partial y^2}$ by $\frac{\partial^2\phi}{\partial z^2}$