

Erratum: Traveling dark solitons in superfluid Fermi gases [Phys. Rev. A **83, 041604(R) (2011)]**

Renyuan Liao and Joachim Brand
(Received 6 May 2013; published 13 May 2013)

DOI: [10.1103/PhysRevA.87.059901](https://doi.org/10.1103/PhysRevA.87.059901) PACS number(s): 67.85.De, 03.75.Lm, 03.75.Ss, 67.85.Lm, 99.10.Cd

An error occurred in Eq. (11) of the paper where the square root should be removed. The correct equation for the ratio of the soliton oscillation frequency to the trap frequency reads

$$\frac{\omega^2}{\omega_t^2} = \frac{mN_s(0)}{M_s}, \quad (11)$$

which indeed follows from Eq. (10) with the given definition of the effective mass M_s . Neither the further discussion in the paper nor the conclusions are affected or altered by this change. In particular, the numerical data for the frequency ratios, presented in the text below Eq. (11), were evaluated with the correct formula.