

Erratum

J. Yang, "Complete eigenfunctions of linearized integrable equations expanded around a soliton solution," J. Math. Phys. 41, 6614 (2000):

Two negative signs are missing in Eqs. (3.47) and (3.51). They should read:

$$\langle \bar{\Psi}(x, k), \bar{\Phi}(x, k') \rangle = -2\pi a^2 \delta(k - k'), \quad (3.47)$$

and

$$\begin{aligned} \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix} \delta(x - x') = & \int_{-\infty}^{\infty} \frac{1}{2\pi a^2} [-\bar{\Psi}(x, k)\bar{\Phi}(x', k) - \Psi(x, k)\Phi(x', k)] dk \\ & + \frac{1}{2}[\dots]. \end{aligned} \quad (3.51)$$