Corrections to

Olver, P.J., Dispersive quantization, *Amer. Math. Monthly* **117** (2010), 599–610.

page 600, equation (2.6), delete minus sign:

$$b_k(0) = \begin{cases} \mathrm{i}/(\pi k), & k \text{ odd,} \\ 1/2, & k = 0, \\ 0, & 0 \neq k \ \text{ even.} \end{cases} \tag{2.6}$$

page 600, equation (2.7), change $+$ to $-$:

$$u^\star(t,x) \ \sim \ \frac{1}{2} \ - \ \frac{2}{\pi} \sum_{j=0}^{\infty} \frac{\sin\big((2j+1)x - (2j+1)^3 t\big)}{2j+1}. \tag{2.7}$$

page 604, equation (2.16), delete $\mathrm{i}\,k\,x$:

$$c_k = b_k\left(\pi\,\frac{p}{q}\right) = b_k(0)\,e^{-\mathrm{i}\,k^3 \pi\, p/q}, \tag{2.16}$$

page 604, equation (2.17), delete $\mathrm{i}\,l\,x$ and $\mathrm{i}\,l\,x$:

if $k \equiv l \bmod 2q$, then $k^3 \equiv l^3 \bmod 2q$, and so $e^{-\mathrm{i}\,k^3 \pi\, p/q} = e^{-\mathrm{i}\,l^3 \pi\, p/q}$. $\quad$ (2.17)

page 605, equation (2.18), insert $(-1)^k$ in sum:

$$F(t,x) \ \sim \ \frac{1}{2\pi} \sum_{k=-\infty}^{\infty} (-1)^k\, e^{\mathrm{i}\,(k\,x - k^3 t)}. \tag{2.18}$$

page 605, Corollary 4: change $u(0, x_j) = f(x_j)$ to $u(0, x + x_j) = f(x + x_j)$.

page 605, equation (2.20), insert i in initial fraction and $(-1)^k$ in sum:

$$G(t,x) = \int_0^x \left(F(t,y) - \frac{1}{2\pi}\right) dy \ \sim \ \frac{1}{2\pi\,\mathrm{i}} \sum_{0 \neq k = -\infty}^{\infty} \frac{(-1)^k}{k}\, e^{\mathrm{i}\,(k\,x - k^3 t)}, \tag{2.20}$$

page 607, equation (3.4), insert i in initial fraction and $(-1)^k$ in sum:

$$u = G(t,x) = \frac{1}{2\pi\,\mathrm{i}} \sum_{0 \neq k = -\infty}^{\infty} \frac{(-1)^k}{k}\, e^{\mathrm{i}\,(k\,x + k^2 t)}.$$

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