

Author's comment on "Robin Hudson's Pathless Path to Quantum Stochastic Calculus ."

p.482, +11 Instead of $[p, q] = iI$, it should read $[p, q] = -iI$.

p.482, -14 and -15

There is an error in the set-up of the quantum central limit theorem. The phrase "Now we average." should be deleted. The factor $\frac{1}{n}$ in the definitions of \overline{p}_n and \overline{q}_n is incorrect. It should be $\frac{1}{\sqrt{n}}$. In particular this ensures that $(\overline{q}_n, \overline{p}_n)$ form a canonical pair since we then have

$$[\overline{p}_n, \overline{q}_n] = \frac{1}{n} \sum_{i,j=1}^n [p_i, q_j] = \frac{i}{n} \sum_{i,j=1}^n \delta_{ij} I = -iI.$$

Similar remarks apply to the definitions of $\overline{a}_n^\#$ on p.483, +11.

I emphasise that the error is entirely mine. The original papers [9] and [13] have the correct factor, indeed this even appears in the abstract of [9].