

## Errata

### AN INTRODUCTION TO THE MATHEMATICAL STRUCTURE OF QUANTUM MECHANICS (Second Edition)

#### A Short Course for Mathematicians

[by F. Strocchi]

- p. 14, line 26: (1.2.2)  $\longrightarrow$  (1.2.1)
- p. 33, last sentence before footnote 21: add, at the end of the sentence, “since by Proposition 1.5.4  $\omega(A^*A)$  is real.” so the sentence reads:  
This requires  $\omega(A^*A) \geq 0$  since by Proposition 1.5.4  $\omega(A^*A)$  is real.
- p. 43, line 20: after the first and the last equal signs insert:  
“ $r_{\mathcal{B}} =$ ” and “ $r_{\mathcal{A}} =$ ”, respectively, so that the equation reads:  
$$\|\pi(A)\|_{\mathcal{B}} = r_{\mathcal{B}} = \sup_{\lambda \in \sigma_{\mathcal{B}}(\pi(A))} |\lambda| \leq \sup_{\lambda \in \sigma_{\mathcal{A}}(A)} |\lambda| = r_{\mathcal{A}} = \|A\|_{\mathcal{A}},$$
- p. 45, line 11 from bottom:  $\pi(A) \longrightarrow \pi_{\omega}(A)$
- p. 99, line 17: (4.4.6)  $\longrightarrow$  (4.5.6)
- p. 101, line 8:  $\lambda^{-2} \longrightarrow \lambda^{-1}$   
line 4 from bottom: and  $\longrightarrow$ ,  $\|H_0\psi_{\lambda}\| = \lambda^{-1/2}\|H_0\psi\|$  and
- p. 113, line 2:  $e^{i\phi} \longrightarrow e^{i\phi} \sin \theta$
- p. 150, line 2 from bottom:  $W(0, \beta + 2\gamma') \longrightarrow W(n, \beta + 2\gamma')$
- p. 157, line 5: and define  $\longrightarrow$ , selects and defines