

ERRATA TO “LINEAR ALGEBRA DONE WRONG”

p. 187: In the chain of equalities in the beginning of the page there should be $\frac{1}{4}$ in front of every summation symbol \sum . The chain of equalities should be as

$$\begin{aligned}(N^*N\mathbf{x}, \mathbf{y}) &= (N\mathbf{x}, N\mathbf{y}) = \frac{1}{4} \sum_{\alpha=\pm 1, \pm i} \alpha \|N\mathbf{x} + \alpha N\mathbf{y}\|^2 \\ &= \frac{1}{4} \sum_{\alpha=\pm 1, \pm i} \alpha \|N(\mathbf{x} + \alpha\mathbf{y})\|^2 \\ &= \frac{1}{4} \sum_{\alpha=\pm 1, \pm i} \alpha \|N^*(\mathbf{x} + \alpha\mathbf{y})\|^2 \\ &= \frac{1}{4} \sum_{\alpha=\pm 1, \pm i} \alpha \|N^*\mathbf{x} + \alpha N^*\mathbf{y}\|^2 \\ &= (N^*\mathbf{x}, N^*\mathbf{y}) = (NN^*\mathbf{x}, \mathbf{y})\end{aligned}$$

p. 169: The first sentence in the last paragraph should read: “It turns out that it is always possible to write a representation similar (3.3) with unitary V and W instead of \tilde{V} and \tilde{W} , and in many situations it is more convenient to work with such a representation.” (“turns” instead of “turn” and a is inserted before the last “representation”)

pp. 4, 22: “vice versa”, not “vise versa”