Walter D. van Suijlekom Noncommutative Geometry and Particle Physics Mathematical Physics Studies, Springer, 2015.

LIST OF ERRATA

- page 34, last line before Exercise 3.4: left A-linearity should read $\langle \overline{e_1}, a\overline{e_2} \rangle = a \langle \overline{e_1}, \overline{e_2} \rangle$
- page 49: second math display should read

$$Q(v+w) + Q(v-w) = 2Q(v) + 2Q(w);$$
 $(v, w \in V)$

- page 51, third line: subscript r + 1 should be n + 1.
- page 53, Exercise 4.5: $\mathbb{C}l_n$ should be $\mathbb{C}l_n^0$ and $\mathbb{C}l_{2k+1}^1$ should be $\mathbb{C}l^1_{2m+1}$.
 • page 56: Equation (4.2.1) needs a square root on the integrand:

$$d_g(x,y) = \inf_{\gamma} \left\{ \int_0^1 \sqrt{g(\dot{\gamma}(t),\dot{\gamma}(t))} dt : \gamma(0) = x, \gamma(1) = y \right\}.$$

• page 57: fourth math display should read

$$\mathbb{C}l_{2m} \cong M_{2^m}(\mathbb{C}), \qquad \mathbb{C}l_{2m+1}^0 \cong M_{2^m}(\mathbb{C})$$

• page 61: last math display should read

$$\nabla \theta^b = -\widetilde{\Gamma}^b_{\mu a} dx^\mu \otimes \theta^a$$

• page 115, Definition 6.18: the definition of upper semi-continuous C^* -bundle should contain the additional condition that:

if $\{a_i\}$ is a net in $\mathfrak B$ such that $\|a_i\| \to 0$ and $\pi(a_i) \to x$ in X, then $a_i \to 0_x$, where 0_x is the zero element in \mathfrak{B}_x .

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