Errata: QFT and CMT

I am grateful to Ben Strekha for bringing the following to my attention. Important errata in **boldface**

Chapter 1

page 6, equation (1.41) shouldn't have a T in the denominator

page 9, 3 lines below equation (1.58), $d = 3N - 1 \simeq 3N \rightarrow d - 1 = 3N - 1 \simeq 3N$

page 16, equation (1.120) is missing a dV in the numerator on the right hand side. Chapter 2

page 23, equation (2.23) and (2.24) $dh \rightarrow \partial h$ and $d^2h \rightarrow \partial^2 h$ in the denominators page 24, equation (2.25) is missing an i = 0 in the limit of the sum

page 25, equation (2.28) the right hand side lower limit on sum: $t_i = \pm \rightarrow t_i = \pm 1$ Chapter 3

page 31, second line. $U(x, x': t) \rightarrow U(x, x'; t)$

page 32, equation (3.22) should have an index n for the sum.

page 37, equation (3.58). $\langle s, \rangle \rightarrow \langle s \rangle$.

page 38, in the sentence continuing after (3.60) $\exp(2K^*) \rightarrow \exp(-2K^*)$. Chapter 5

page 57, equation (5.24) $\exp(-iS_c/\hbar) \rightarrow \exp(iS_c/\hbar)$.

Chapter 6

page 73, equation (6.2) drop the comma in $|\theta, \phi >$

page 89, equation (6.118) drop the vertical bar in $e^{-\beta H}$ |...

page 90, equation (6.127) $\Psi(0)(\rightarrow (\Psi(0))$.

page 92, equation (6.142) is missing the integration measure $d\tau$.

page 96, equation (6.176) is missing the integration measure dxChapter 10

page 160, equation (10.18) is missing an "=" sign after lim

page 162 Eqn. 10.27, the right hand side should be $+\frac{1}{2\pi} \ln |\mathbf{r} - \mathbf{r}'|$. **page 165**, equation (10.36) $e^{S}(s) \rightarrow e^{S(s)}$

page 167, second to last paragraph before 10.2.3 $t_i = s_1 s_{i+1} \rightarrow t_i = s_i s_{i+1}$. Chapter 11

page 173 Eqn. 10.61 RHS should read $= \sum_{\alpha} g_{\alpha} \langle i | \mathcal{O} | j \rangle$.

page 190, equation (11.44), exponent on right hand side: $K'(s_0s_1 + ... \rightarrow K'(s_1s_2 + ...$ **page 194**, Figure 11.3 second $K^* + \Delta K$ should be $K^* + \Delta K'$

Chapter 12

page 205, equation (12.36) $3u_0 \rightarrow 4u_0$.

Chapter 13 page 226, equation (13.11) $S_0^*(\phi_f) \to S^*(\phi_f)$

page 226, equation (13.15) drop the comma after ϕ

page 226, equations (13.17) and (13.18) $\mathbf{s} \rightarrow s$.

page 230, equation (13.44) $u_0 \to \frac{u_0}{(2!2!)}$.

page 232, equation (13.53) $u_0 \rightarrow u_0$

page 235 before equation (13.76) " the u_0 term in Eq. (13.66)" \rightarrow the " u_0 term in (13.67)". page 237, equation (13.93) in the argument of $\phi', 0/s \rightarrow 0 \cdot s$).

page 240, equation (13.111) $t \to |t|$.

page 243, equation (13.134) $(4-d) \rightarrow (d-4)$ in the middle equality.

page 249, equation 3.157), (13.161), (13.162): need = sign after limits

Chapter 14 page 259, right after equation (14.51) $l_0^2 \rightarrow \lambda_0^2$ page 260, equation (14.52) and a sentence between (14.52) and (14.53) $l_0^2 \rightarrow \lambda_0^2$. page 260, equation (14.54) $\lambda^2 \rightarrow -\lambda^2$ page 261, equation (14.60) $B(m_0^2 \rightarrow B(m_0..), ...)$ and in the mini-paragraph following (14.60). page 261, equation (14.61) and (14.62) $l_0^2 \rightarrow \lambda_0^2$ page 277, on (14.113), $d \rightarrow \partial$, in the next line $\partial \rightarrow d$ Chapter 15 page 287, equation (15.12) $e_2 \rightarrow \varepsilon_2$. Chapter 16 page 306, last paragraph: "could" repeated Chapter 17 page 321, equation ((17.11) $\exp(ipx) \rightarrow \exp(-ipx)$ page 332, equation (17.102) is missing a "(" on the derivative term. page 329, equation 18.168 $\delta \rightarrow \sqrt{\delta}$ within arctan. page 360 equation 18.171 $x = y \rightarrow x = -y$.