Erratum: Equivalence of the self-dual model and Maxwell-Chern-Simons theory on arbitrary manifolds

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The conclusions of the paper are completely unaffected by the following minor corrections:
(1) The line after formula (18) is replaced by “and”.
(2) Formula (19) is replaced by
\[
\text{vol}[\ker(\#d_1 + (\#d_1)^2)] = \text{vol}(\ker(\#d_1))\text{vol}(\ker(1 + \#d_1)).
\] (19)
(3) The line after formula (19) is replaced by
“On the other hand, since \(\int D\omega e^{-\langle \omega, T\omega \rangle} = \text{vol}(\ker T) \det'(T)^{-1/2}\), the partition function is given by”.
(4) Formula (20) is replaced by
\[
Z_{MCS} = \frac{1}{N_{MCS}} \frac{1}{\text{vol}(H)} e^{-(i\pi/4)\eta(0,\#d_1 + (\#d_1)^2)\det'(d_0^\dagger d_0)^{1/2}\det'(\#d_1)^{1/2}}
\]
\[= \frac{1}{N_{MCS}} e^{-(i\pi/4)\eta(0,\#d_1 + (\#d_1)^2)} \text{vol}(\ker(\#d_1))\text{vol}(\ker(1 + \#d_1))\det'(\#d_1)\text{vol}(1 + \#d_1)^{-1/2}.
\] (20)
(5) Formula (33) is replaced by
\[
\text{vol}(\mathcal{H}^q(M)) = |\det \phi_q|^{-1} \text{vol}(H_{dR}^q(M)).
\] (33)
(6) The second paragraph after formula (33) is replaced by the following:
“The stabilizer \(H\) consists of those elements of \(\Omega^0(M)\) for which \(d_0\Omega^0 = 0\), i.e., \(H = \ker(d_0)\). We can canonically identify \(H_{dR}^0(M)\) with the real line, that is, with \(\ker(d_0)\). Thus \(\text{vol}(\ker(d_0)) = |\det \phi_0| \text{vol}(\mathcal{H}^0(M))\). So the volume of the stabilizer is”.
(7) Formula (34) is replaced by
\[
\text{vol}(H) = \text{vol}(\ker(d_0)) = |\det \phi_0|^{1/2} \text{vol}(\mathcal{H}^0(M)).
\] (34)
(8) Formula (35) is replaced by
\[
Z_{MCS} = \frac{1}{N_{MCS}} e^{-(i\pi/2)\eta + (i\pi/4)\eta(0,\#d_1 + (\#d_1)^2)} \text{vol}(\mathcal{H}^0(M))^{-1/2} \det'(d_0^\dagger d_0)^{1/2} \det'(\#d_1)^{-1/2} \det'(1 + \#d_1)^{-1/2}.
\] (35)
(9) The paragraph after formula (35) is replaced by
“Suppressing the normalization factors and using Eqs. (13), (20), and (30) we get”.
(10) Formula (36) is replaced by
\[
Z_{MCS} = e^{-(i\pi/2)\psi + (i\pi/4)\eta(0,\#d_1 + (\#d_1)^2)} \det'(\#d_1)^{-1/2} \text{vol}(\ker(\#d_1))Z_{SD}.
\] (36)