Proof Corrections

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Please have the typesetter call me upon getting this version, and I will speak with this person over the phone, to make sure this version is finally correct.

1 Main article errors

1. Replace "$P_{\boldsymbol{\theta}(\boldsymbol{H}_t|\boldsymbol{O}_{1:t})}$" with "$P_{\boldsymbol{\theta}}(\boldsymbol{H}_t|\boldsymbol{O}_{1:t})$"

2 Appendix errors

1.

$$\mathcal{G}^L_{\boldsymbol{\theta}}\left(n_t^{(i)}|F_t\right) \stackrel{def}{=} \int P_{\boldsymbol{\theta}}\left([\mathrm{Ca}^{2+}]_t^{(i)} \mid [\mathrm{Ca}^{2+}]_{t-1}^{(i)}, n_t^{(i)}\right) P_{\boldsymbol{\theta}}(F_t \mid [\mathrm{Ca}^{2+}]_t^{(i)}) d[\mathrm{Ca}^{2+}]_t^{(i)} = \frac{1}{Z}\frac{1}{\sqrt{2\pi(\sigma_F^2+\sigma_c^2\Delta)}}\exp\left\{-\frac{1}{2}\frac{\left(F_t - C_t^{(i)}\right)^2}{\sigma_F^2+\sigma_c^2\Delta}\right\},$$

2. Replace "$\{[\mathrm{Ca}^{2+}]_{t-1}\}^{(i)}$" with "$[\mathrm{Ca}^{2+}]_{t-1}^{(i)}$"
3. If this fits on a single line (in a single column), great. if not, please break at "="

$$P_{\boldsymbol{\theta}}([\mathrm{Ca}^{2+}]_v \mid [\mathrm{Ca}^{2+}]_{v-1}, n_v) = \mathcal{N}([\mathrm{Ca}^{2+}]_v; C_v, \sigma_c^2\Delta),$$

4. Append after Eq. 2 and before the period: ", where C_v is defined as in Eq. 24"
5. Replace "${n_t}^{(i)}$" with "$n_t^{(i)}$
6. argmax formatting should look like the first equation below, not the second.

$$\widehat{x} = \underset{x}{\operatorname{argmax}}\, x < y$$

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7.

$$\{\widehat{\tau}, \widehat{A}, [\widehat{\mathrm{Ca}}^{2+}]_b\} = -\frac{1}{2}\underset{\tau, A, [\mathrm{Ca}^{2+}]_b>0}{\operatorname{argmax}} \sum_{t=1}^{T}\sum_{i,j=1}^{N} J_{t,t-1}^{(i,j)}\left([\mathrm{Ca}^{2+}]_t^{(i)} - \mu_{t,t-1}^{(i,j)}\right)^2,$$

3 response to inquiries

1. Publisher: Cold Spring Harbor Laboratory Press. Location: Cold Spring Harbor, New York

References