


Erratum: Quantum state smoothing as an optimal Bayesian estimation problem with three different cost functions [Phys. Rev. A **104, 032213 (2021)]**

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There are a few typographical errors in the Appendix.

(1) All “ostensible” probabilities $\wp_{\text{ost}}(\bullet)$ should be relative ostensible distributions $\wp_{\text{ost}}^{\text{rel}}(\bullet) = \tilde{\wp}(\bullet)/\wp_{\text{ost}}(\bullet)$, where $\wp_{\text{ost}}(\bullet)$ is the ostensible distribution that is free to choose, as stated.

(2) The term just after Eq. (A6) should be $\text{Tr}[\hat{E}_R(t)\rho] = \tilde{\wp}(\vec{O}|\rho)$. Note the tilde on the probability distribution.

(3) Finally, in Eq. (A4), $\rho_T(t)$ should be the unnormalized true state $\tilde{\rho}_T(t)$.