S4 Text
Robust Brain-Machine Interface Design Using Optimal Feedback Control Modeling and Adaptive Point Process Filtering

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S4 Text: Computing the Difference in Converged Parameters

We first found the chance level difference between steady-state parameters of a single neuron merely due to the noise in the random-walk model of the parameter decoder. To do so, we calculated the steady-state difference in the same estimated parameter between time samples that were 3.5 minutes apart and hence approximately uncorrelated in time. We then found the difference between the estimated parameters at the start and the end of the session relative to this chance level.