



Improved information criteria for Bayesian model averaging in lattice field theory

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$$\langle f(\mathbf{a}) \rangle = \sum_{\mu} \langle f(\mathbf{a}_{\mu}) \rangle \text{pr}(M_{\mu}|\{y\})$$

$$\text{KL}(M_{\mu}) = E_z[\log \text{pr}(z|M_T)] - E_z[\log \text{pr}(z|M_{\mu})]$$

$$\text{IC} \sim -2NE_z[\log \text{pr}(\{y\}|M_{\mu})]$$

