Precision Study of the Topological Susceptibility in the Continuum

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We determine the topological susceptibility in the SU(3) pure gauge theory. We perform a series of high-statistics lattice studies and take the combined continuum and infinite volume limit. We find $\chi_{\text{top}} r_0^4 = 0.0524(7)(6)$, which translates into $\chi_{\text{top}}^{1/4} = 193(1)(8)$ MeV with the second error exclusively due to the intrinsic scale ambiguity.