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Topological Susceptibility in $N_f = 2$ QCD at Finite Temperature – Volume Study

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We study the topological charge in $N_f = 2$ QCD at finite temperature
using Mobius domain-wall fermions with reweighting to ovelap fermions.
The susceptibility χ_t of the topological charge is studied
in the high temperature phase with varying quark mass.
Last year, we reported on a strong suppression of the susceptibility,
observed below a certain value of the quark mass on a fixed spatial volume.
We extend this study by changing the volume to both smaller and larger direction.
The relation with the restoration of $U_A(1)$ is discussed.

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