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## The Slab Method to Measure the Topological Susceptibility

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In simulations of a model with topological sectors, algorithms which proceed in small update steps tend to get stuck in one sector, especially on fine lattices. This distorts the numerical results; in particular it is not straightforward to measure the topological susceptibility  $\chi_t$ .

Here we test a method to measure  $\chi_t$  even if configurations from only one sector are available. It is based on the topological charges in sub-volumes, which we denote as “slabs”. Under suitable circumstances, this enables the evaluation of  $\chi_t$ , as we demonstrate with numerical data for non-linear sigma-models and 2-flavor QCD.

**Author:** Dr BIETENHOLZ, Wolfgang (UNAM, Mexico)

**Co-authors:** Mr DROMARD, Arthur (Goethe Universitaet Frankfurt); Dr CICHY, Krzysztof (Goethe-University Frankfurt am Main); Prof. WAGNER, Marc (Goethe University Frankfurt); Prof. DE FORCRAND, Philippe (ETH Zurich and CERN); Dr GERBER, Urs (UNAM, Mexico City and UMSNH Morelia)

**Presenter:** Dr BIETENHOLZ, Wolfgang (UNAM, Mexico)

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