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Chiral Symmetry in Holographic QCD

Monday 7 May 2012 16:45 (15 minutes)

Abstract:

In a hard-wall model of holographic QCD, we find that
nonlinear boundary dynamics are required in order
to maintain the correct pattern of
explicit and spontaneous chiral symmetry breaking
beyond leading order in the pion fields.
With the help of a field redefinition,
we relate the requisite nonlinear boundary conditions to a standard
Sturm-Liouville system.

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