

Abstract Submitted
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Supersymmetric two-dimensional QCD at finite temperature

JOHN HILLER, University of Minnesota-Duluth — We study the spectrum and finite-temperature properties of supersymmetric two-dimensional QCD at large N_c , with a Chern-Simons term included to give mass to the adjoint partons. The theory is solved nonperturbatively by the technique of supersymmetric discrete light-cone quantization, which uses a discrete momentum grid in light-cone coordinates to convert integral equations for Fock-space wave functions to a supersymmetric matrix representation. The spectral distribution of the representation is computed by Lanczos iteration of the mass-squared eigenvalue problem.

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