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New results with colour-sextet quarks

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We have been studying lattice QCD with colour-sextet staggered quarks, as a model for conformal/walking technicolor. We are studying the thermodynamics of these theories and using the positions of the deconfinement and chiral transitions to try to distinguish between conformal and walking behaviour. Our preliminary simulations with $N_f=2$, on $N_t=4$ and $N_t=6$ lattices, favoured the walking scenario. I will present new results at $N_t=8$. In addition I will present the results from simulations with $N_f=3$.

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talk

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