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The bulk transition of many-flavour QCD and the search for an UVFP at strong coupling

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We explore the possibility that the observed bulk transition at $N_f = 12$ be identified with an ultraviolet fixed point (UVFP), whose existence has been recently conjectured by Kaplan and collaborators, based on AdS/CFT. A preliminary scaling analysis favours a first order nature of the bulk phase transition. However, we argue that the AdS/CFT inspired scenario might be realized at the endpoint of the bulk transition line, at the critical value of N_f where conformality is lost.

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talk

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