## On the critical end point of QCD

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Abstract: We investigate the critical end point of QCD with two flavours of light dynamical quarks at finite lattice cutoff a = 1/4T using a Taylor expansion of the baryon number susceptibility. We find a strong volume dependence of its radius of convergence. In the large volume limit we obtain  $\mu_B/T \approx 1.1$  as the radius of convergence at  $T/T_c \approx 0.95$  where  $T_c$  is the cross over temperature at zero chemical potential.