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chiral condensate and susceptibility of $SU(2)$ $n_f = 8$ naive staggered system

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$SU(2)$ 8 fundamental flavor system with naive staggered fermion has a phase transition or crossover at strong coupling, which seems to be a bulk transition.

By using chiral random matrix model we analyse the chiral condensate of this system.

We also report the chiral susceptibility and its volume dependence near the transition point.

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