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Higher order calculations and the phase diagram of strongly coupled theories

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In the past decade many advances have been made in the attempt to uncover the phase diagram of nonsuper-symmetric strongly coupled gauge theories. Progress has come from both analytic computations and analysis as well as lattice simulations. In this talk I will present the most recent calculations and estimates of the phase boundary of the conformal window performed using higher order perturbation theory. Calculations are done in a variety of different explicit schemes in which comparison can then be made.

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