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Scale Invariant Top Condensate Model

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We propose a minimal, scale invariant model for dynamical electroweak symmetry breaking via top condensation. The classical scale invariance is realized nonlinearly by introducing conformal compensator scalar field, the (pseudo)dilaton, which plays crucial role in a successful prediction for the Higgs boson and top quark masses. We also argue that the fine-tuning problem of the ordinary top condensate scenario is resolved in our model.

Summary

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