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## Vacuum misalignment for electroweak symmetry breaking

*Tuesday 20 February 2024 09:30 (1 hour)*

**Abstract:** We discuss ways to trigger vacuum misalignment in strongly coupled gauge theories of interest to electroweak symmetry breaking. In these models the Higgs boson is realized as a pseudo-Nambu-Goldstone boson and acquires a vacuum expectation value due to the interaction of the Standard Model fermions with the fermionic bound states of the strong sector. We present sum rules that can be used to identify the cases where vacuum misalignment occurs with an eye on possible applications to lattice simulations.

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