

Towards an asymptotically safe Standard Model (Steven Abel)

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I discuss recent and ongoing work which aims to embed the Standard Model within an asymptotically safe framework of known gauge Yukawa theories. It is shown that radiative symmetry breaking generically occurs in these models in much the same way as it does in the MSSM. I discuss how a natural assignment of SM matter fields points towards an extended Pati-Salam like structure