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## Inflection point inflation with MSSM Higgs fields

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We demonstrate that in the simplest CP conserving scenario, the MSSM higgs fields can act as an inflaton, in the presence of a Planck suppressed non-renormalizable term in the superpotential. The inflation occurs around an inflection point which can match the current WMAP data. Since inflation occurs at a low scale, the moduli problem does not appear, and the supergravity corrections remain negligible. However, there is a fine tuning needed between the MSSM parameters involved, at a high energy scale. We use the Suspect RGE code to show that, however, successful EWSB is possible over a large parameter space in spite of the fine tuning at a high scale, and also that the fine tuning at a high scale does not correspond to any fine tuning at the EWSB scale.

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