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The Relaxion: An update

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In this talk, I re-visit the original relaxion model by Graham-Kaplan-Rajendran in the regime where the relaxion is subject to large fluctuations during its dynamics. I discuss the modified stopping conditions for such dynamics of the relaxion and the new parameter space. Interestingly, in a significant region of the parameter space, the relaxion can naturally account for the observed dark matter density in the universe.

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