I'm coding up a Solidity implementation of Robert Sams' Seignorage Shares. One issue I have with the paper is the formula for determining the number of coins to print/remove based on price.

If the price of the coin goes down by 1%, this formula would remove 1% of the supply. This seems overly simplistic to me. It's essentially a P-controller with a P-gain of 1. Using PID control seems like a better option, but tuning the gains would be difficult in the absence of an effective test environment.

Anybody have any thoughts/advise on using PID control with stablecoins?