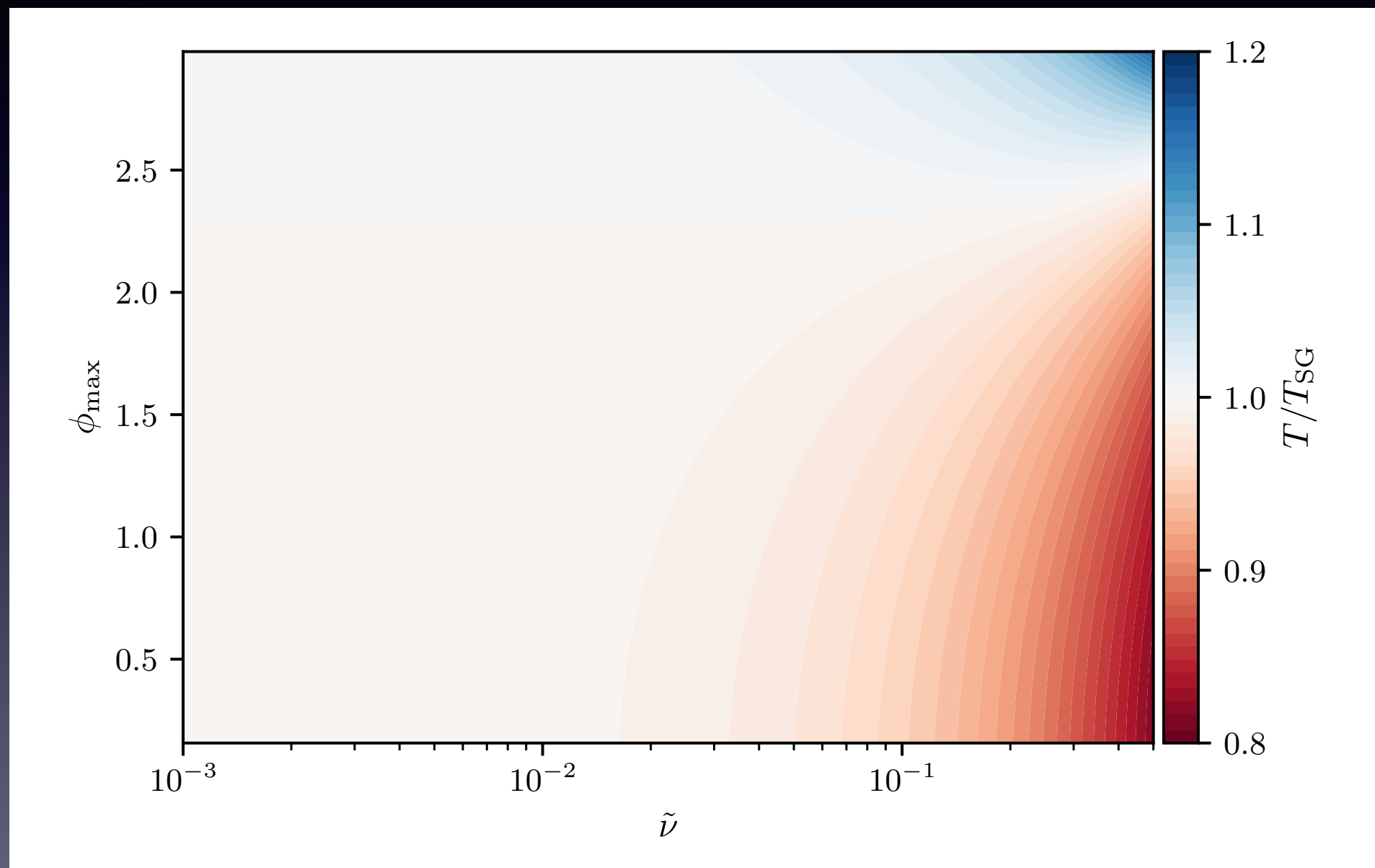# Background Period

Period matches SG for $\tilde{\nu} \ll 1$

Perturbation Equations

$$\psi_i(x, t) = \bar{\psi}_i(t) + \delta\hat{\psi}_i(x, t)$$