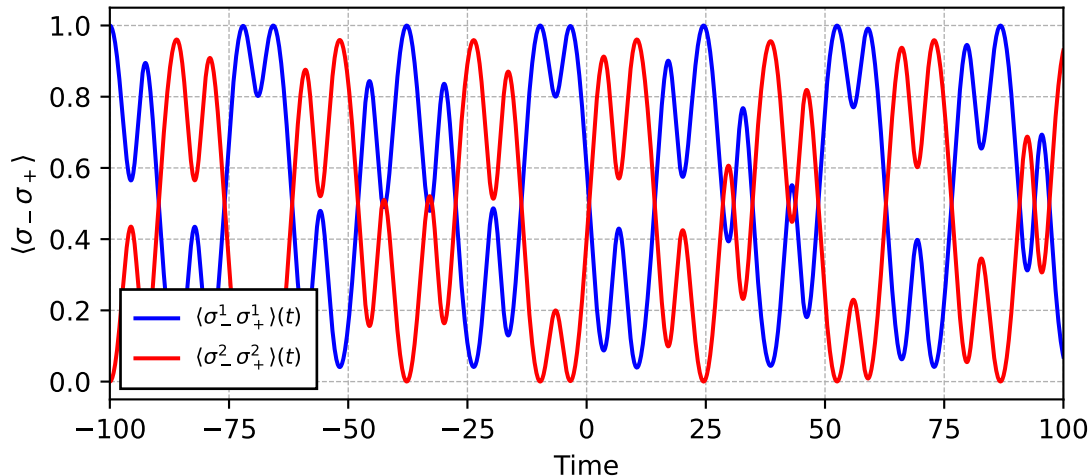


Time evolution of number operator



Parameters of the simulation

$\omega_1 = 4.5, \omega_2 \equiv \omega_2(t=0) = 4, \Delta(t=0) = 0.5, g = 0.1, \Delta\omega = 0.5.$

$\omega_2(t) = \omega_2 + \Delta\omega \cos((\omega_2 - \omega_1)t)$

Initial state: $|\psi_0\rangle = |1\rangle \otimes |0\rangle$