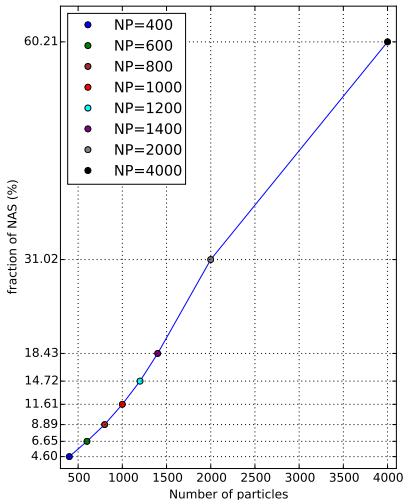
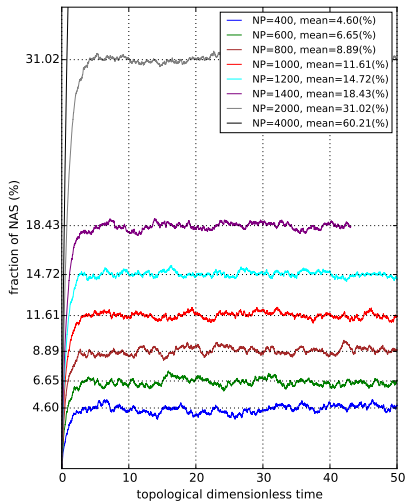


Simulation in Equilibrium

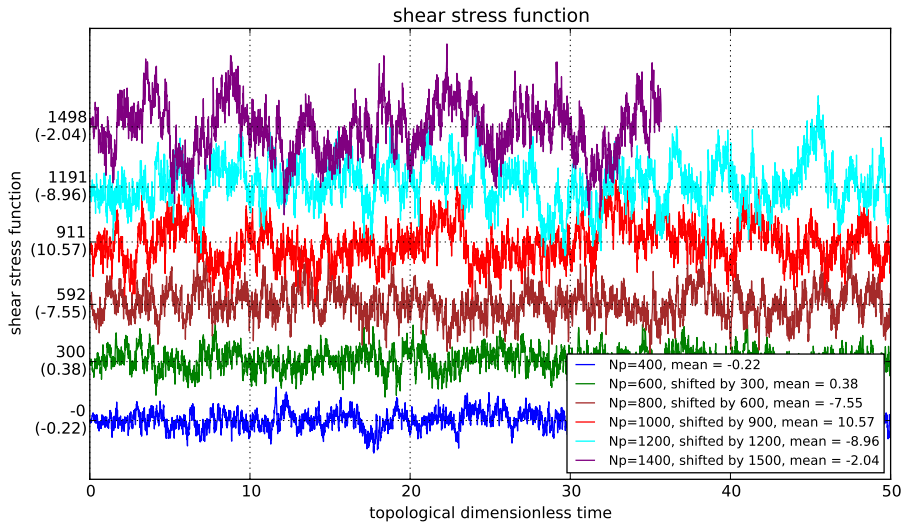
Gun Woo Park

March 7, 2016

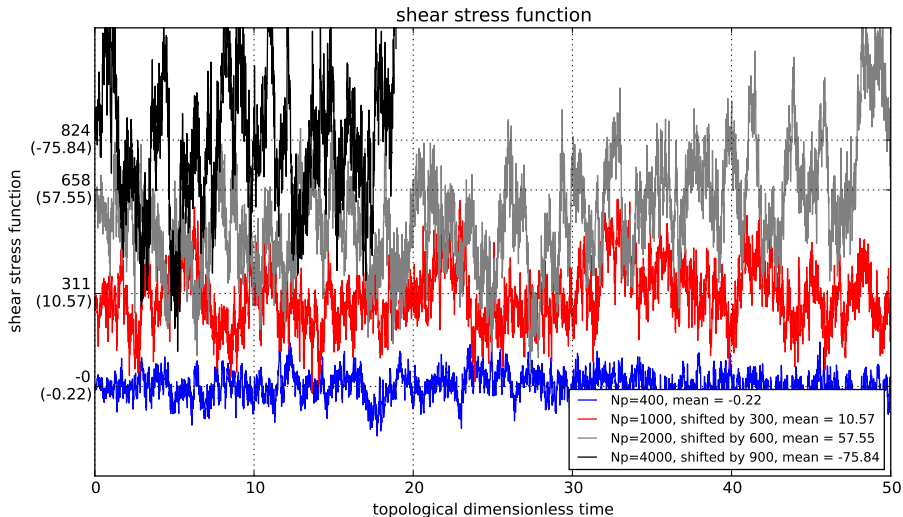
fNAS check



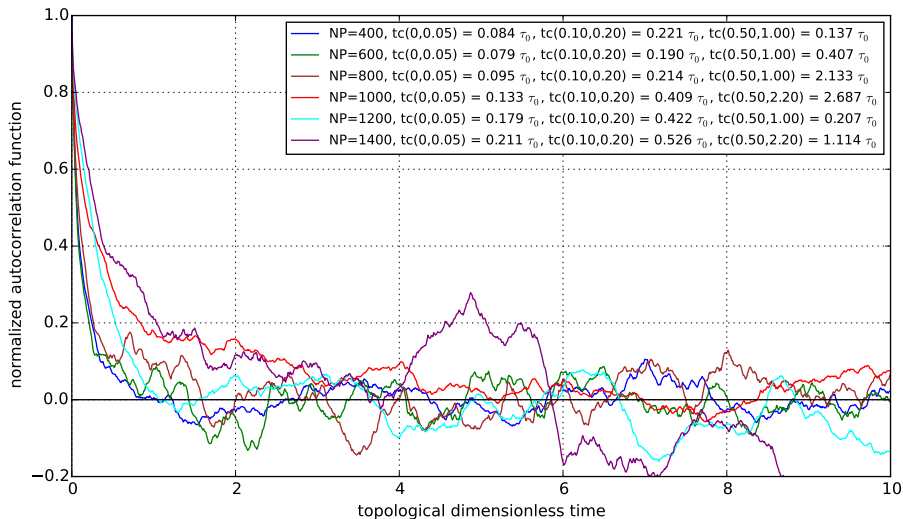
Shear Stress



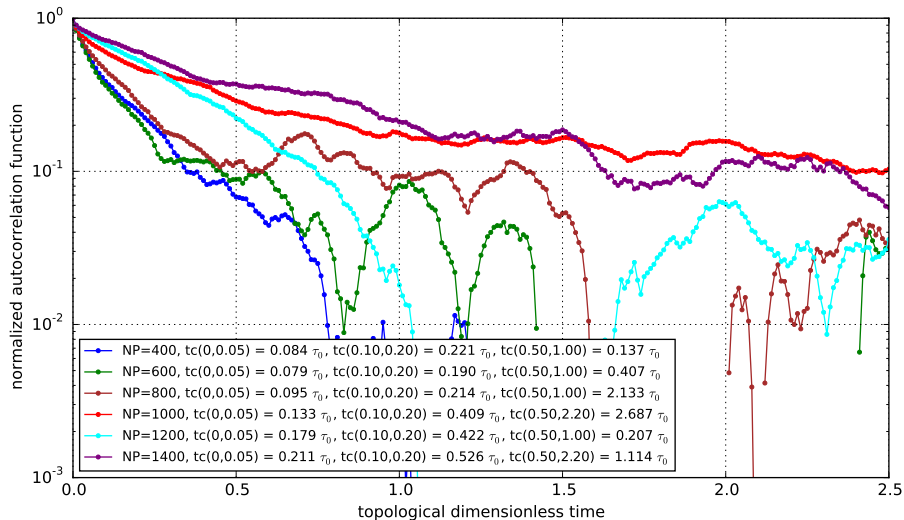
Shear Stress, concentrated regime



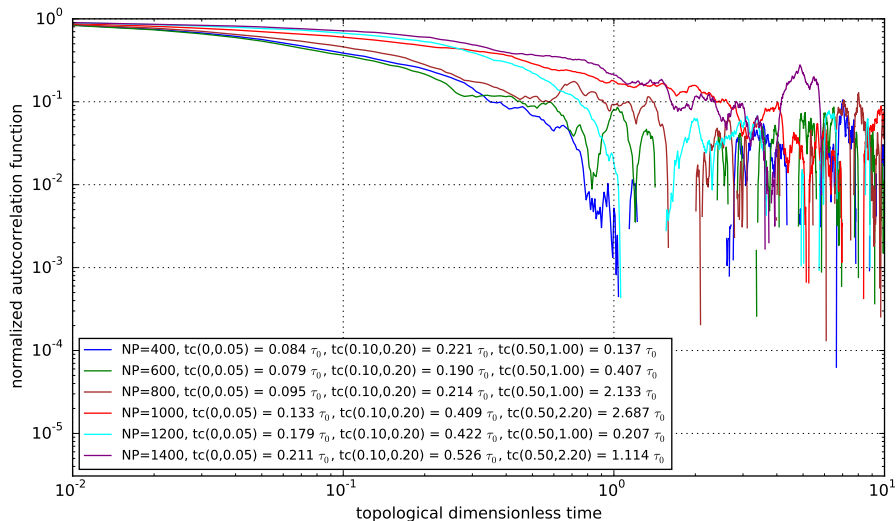
ACF for Shear Stress, biased statistics



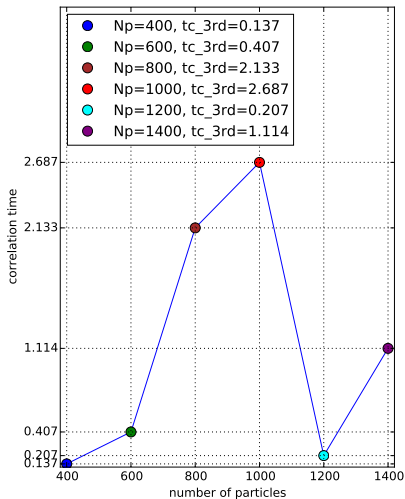
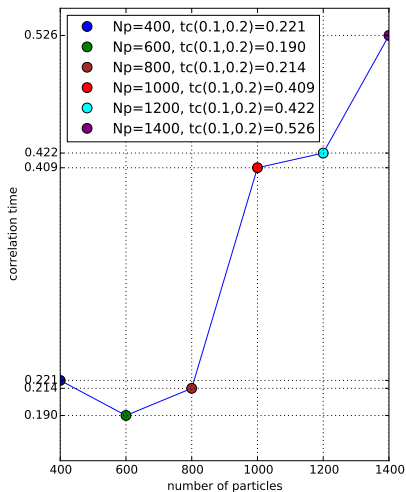
ACF for Shear Stress, biased statistics



ACF for Shear Stress, biased statistics



Correlation time



Test Condition

Current definition for time scales

$$\tau_0 = \beta_0^{-1} \quad \text{dissociation time} \quad (1)$$

$$\tau_B = \frac{R_0^2 \zeta}{k_B T} \frac{1}{C}, \quad \text{Brownian time.} \quad (2)$$

As a default, the rational time scale, $R_t = \tau_0 / \tau_B$, is set by 100.

- time step for Brownian motion: $10^{-4} \tau_0 (=10^{-2} \tau_B)$
- time step for topology: $10^{-3} \tau_0 (=10^{-1} \tau_B)$
- data output frequency: $10^{-2} \tau_0 (= \tau_B)$