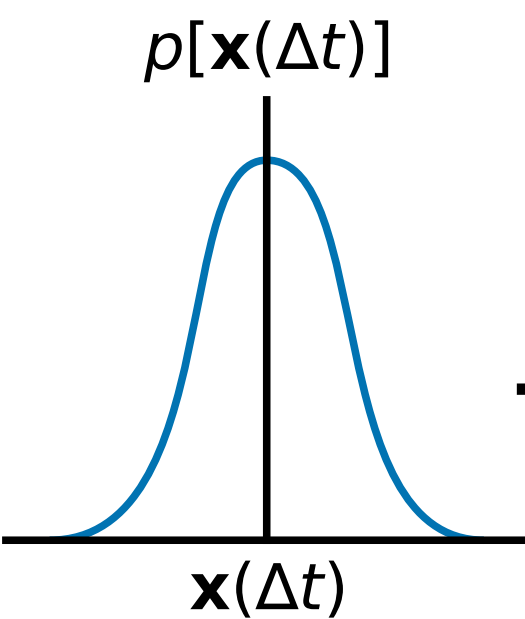
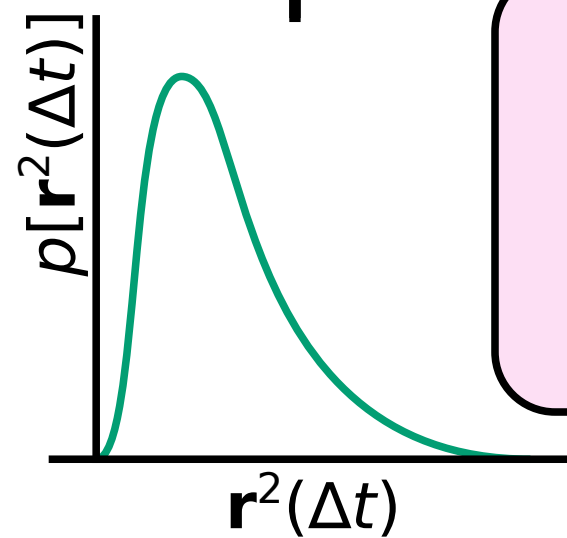


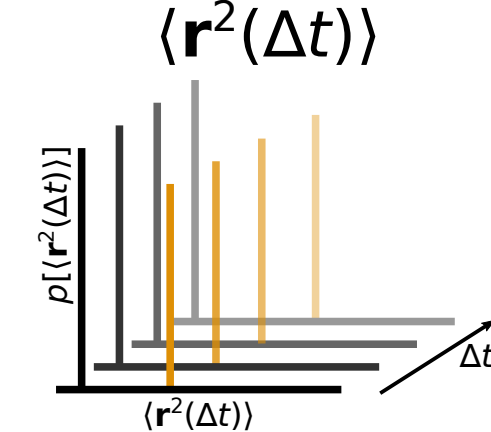
Calculate displacements



$\Sigma[\mathbf{x}(\Delta t)]^2$

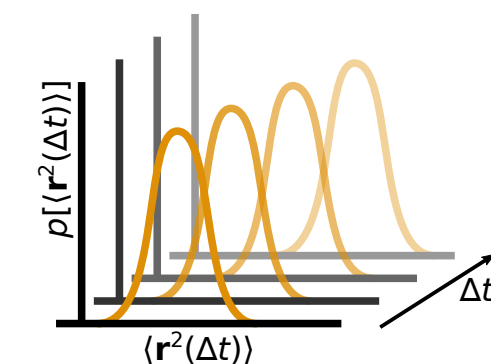


Find mean

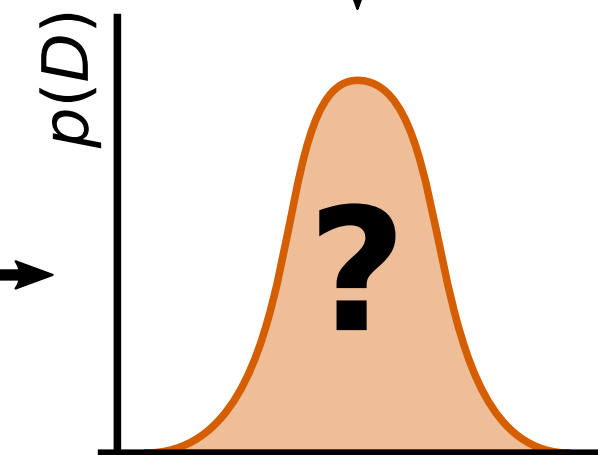


OLS

$\langle \mathbf{r}^2(\Delta t) \rangle, \sigma^2 \langle \mathbf{r}^2(\Delta t) \rangle$



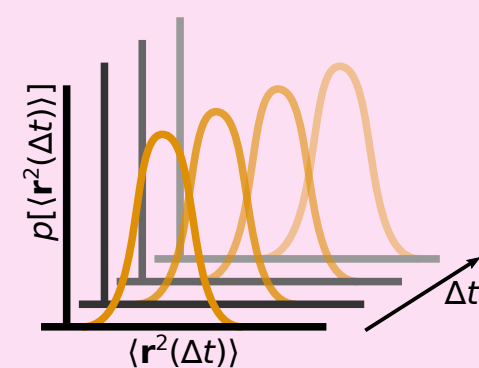
WLS



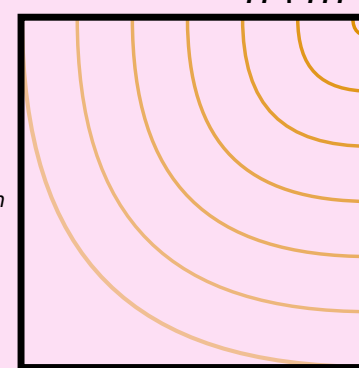
Bootstrap mean resampling

Bootstrap mean resampling and covariance estimation

$\langle \mathbf{r}^2(\Delta t) \rangle, \text{cov}[\langle \mathbf{r}^2(\Delta t_n) \rangle, \langle \mathbf{r}^2(\Delta t_{n+m}) \rangle]$



$\Delta t_{n+m}$



$\Delta t_n$

GLS

kiisi

Increasing statistical efficiency