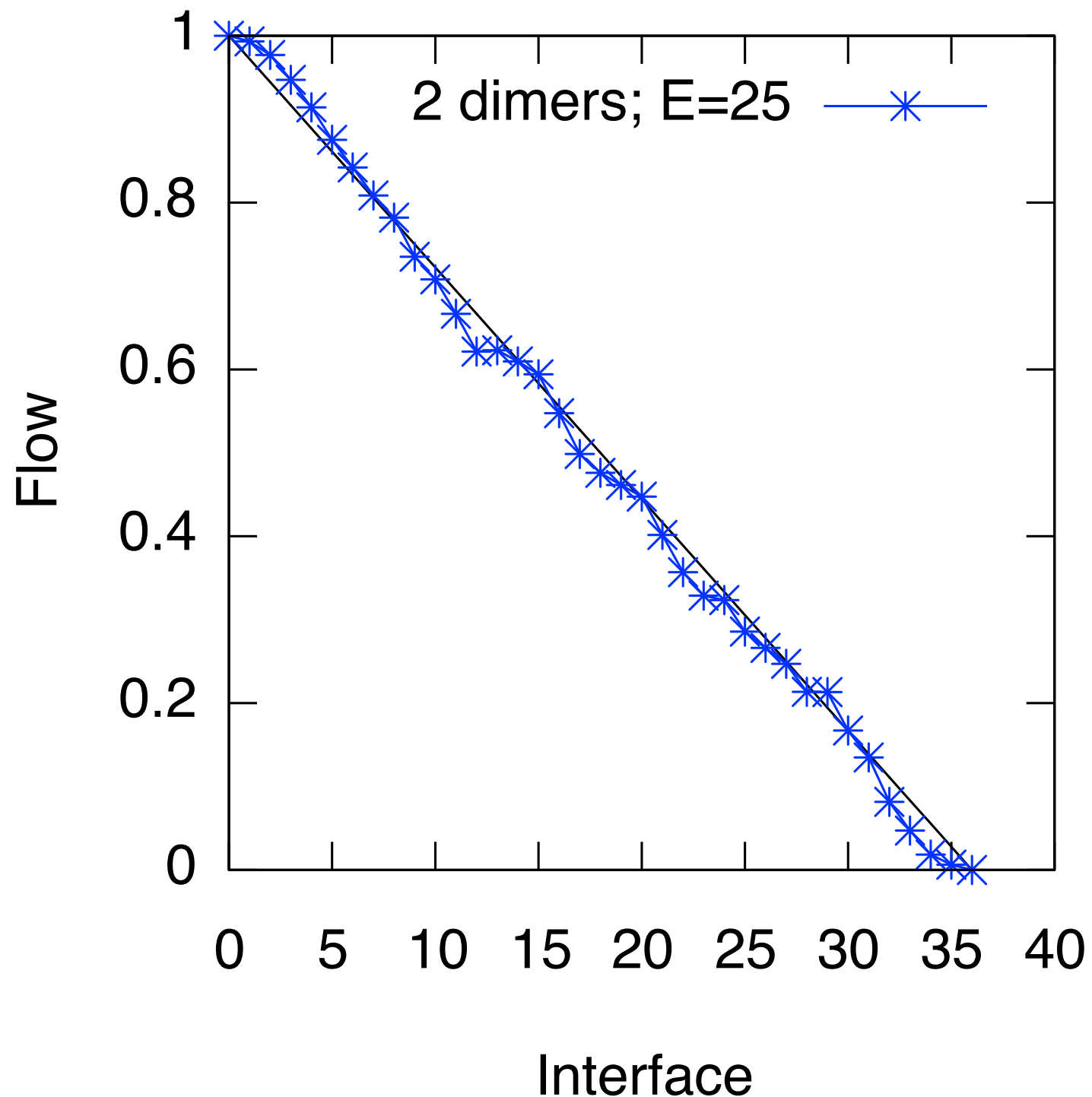# Replica Flow for 2-Dimer System
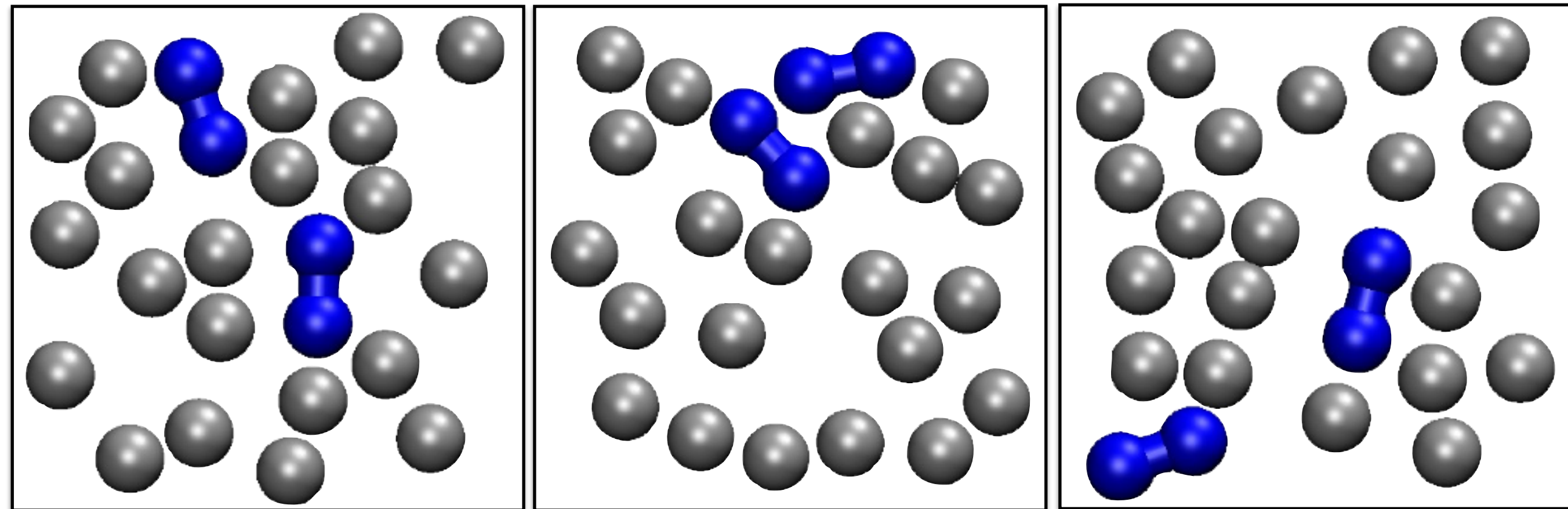

$$f(i) = \frac{N_i^{\uparrow}}{N_i^{\uparrow} + N_i^{\downarrow}}$$

Label replica "up" when it hits "bottom" interface (similarly for "down")

Count times interface i sees up/down replicas

Sampling various conformations

The timescale of diffusion is much slower than the typical transition path length, so we need the minus interface to help us sample conformations.