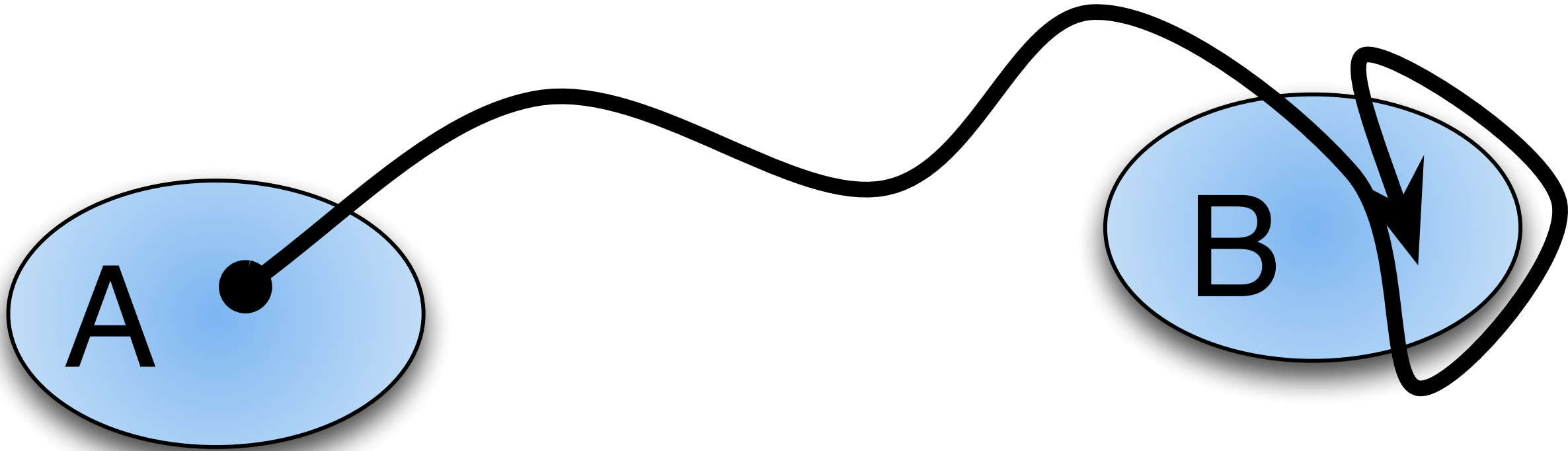
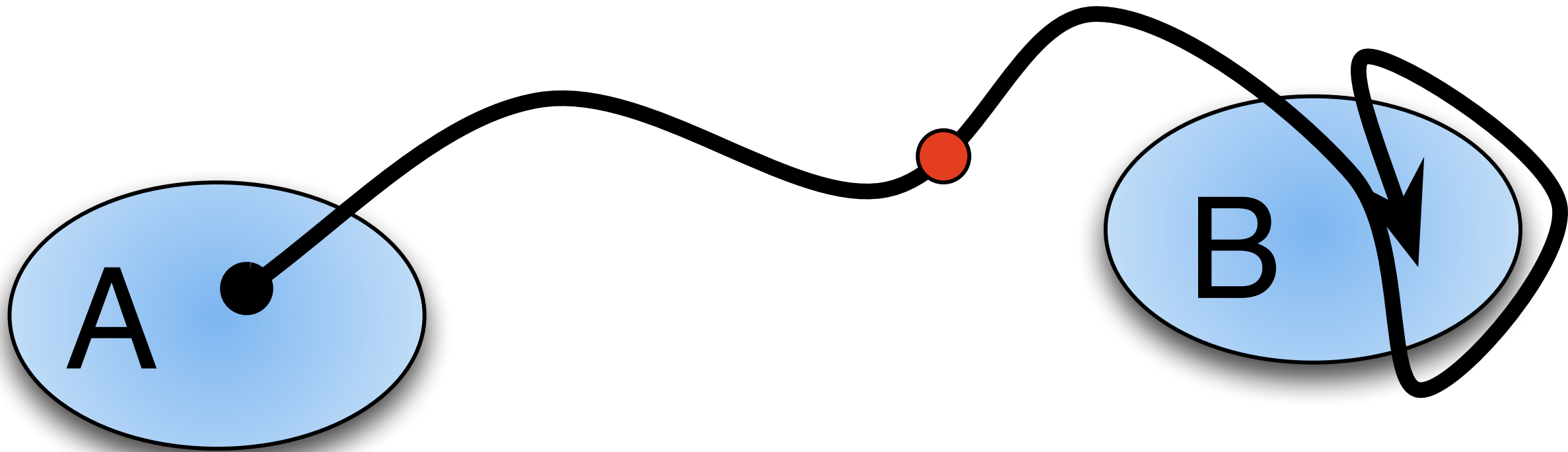
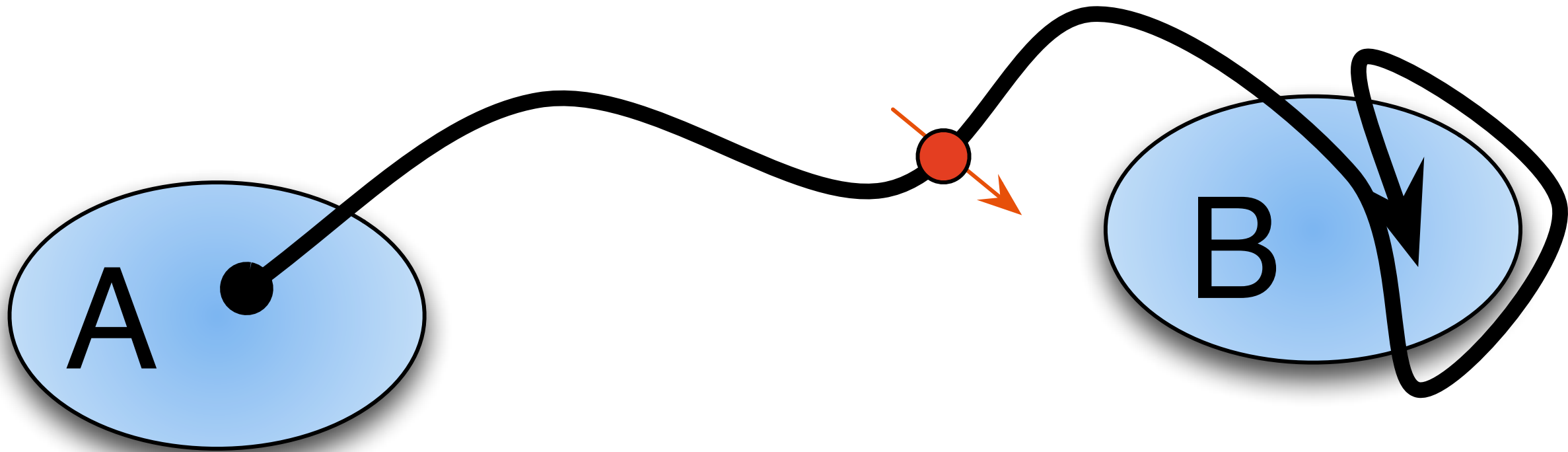


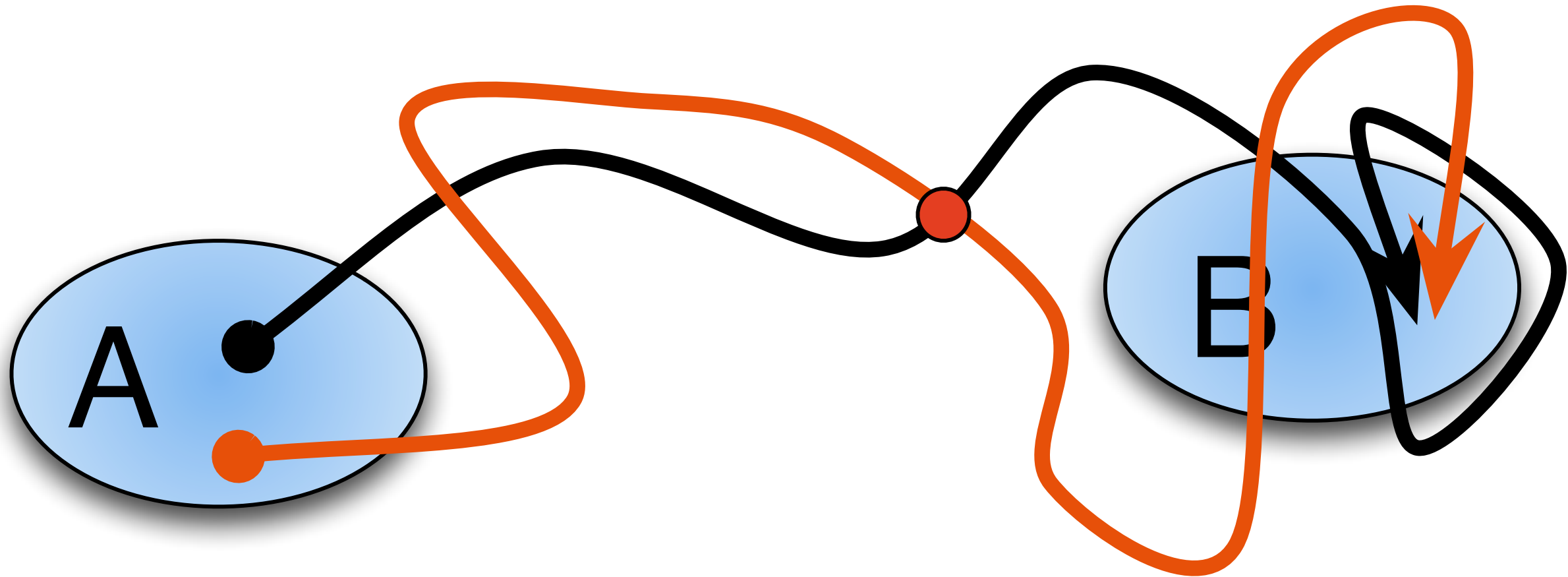
The Shooting Algorithm

What Monte Carlo means we use to generate new paths?









1. Select a point to “shoot” from (frame π)

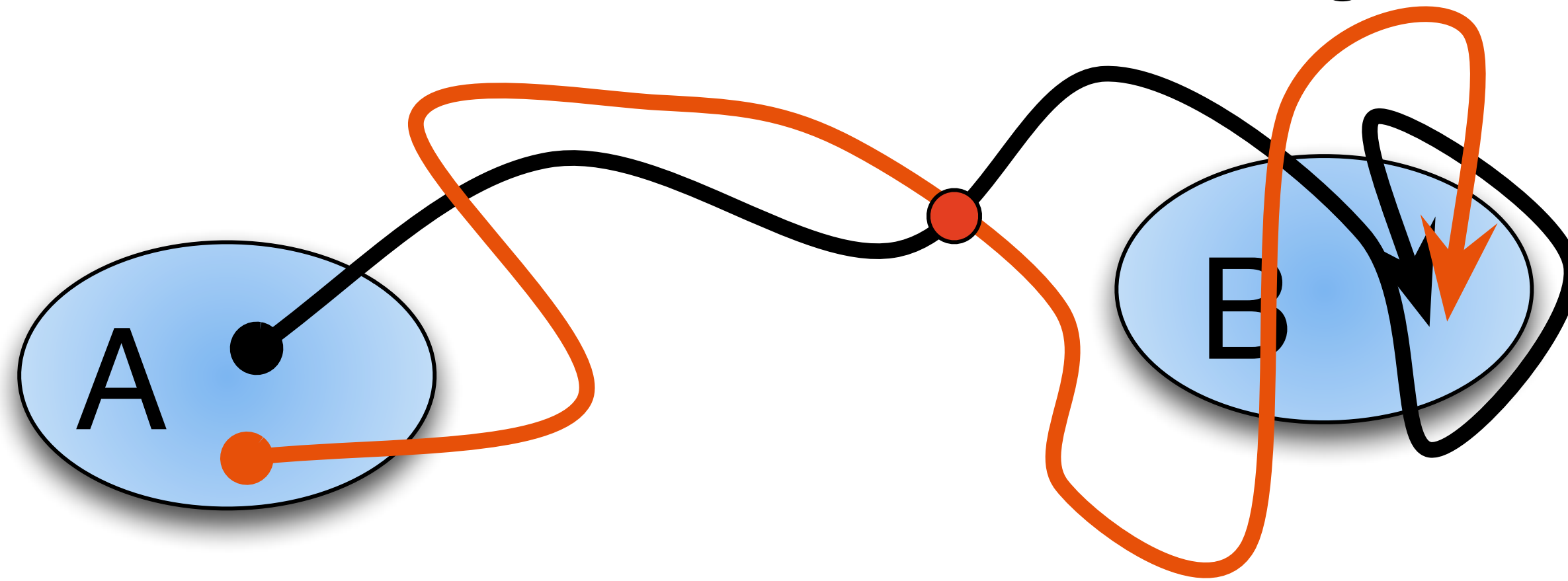
2. Modify the velocities at that point

3. Run forward (from τ to L) and backward (from τ to 0)

This gives us a statistically valid sample trajectory!

The Shooting Algorithm

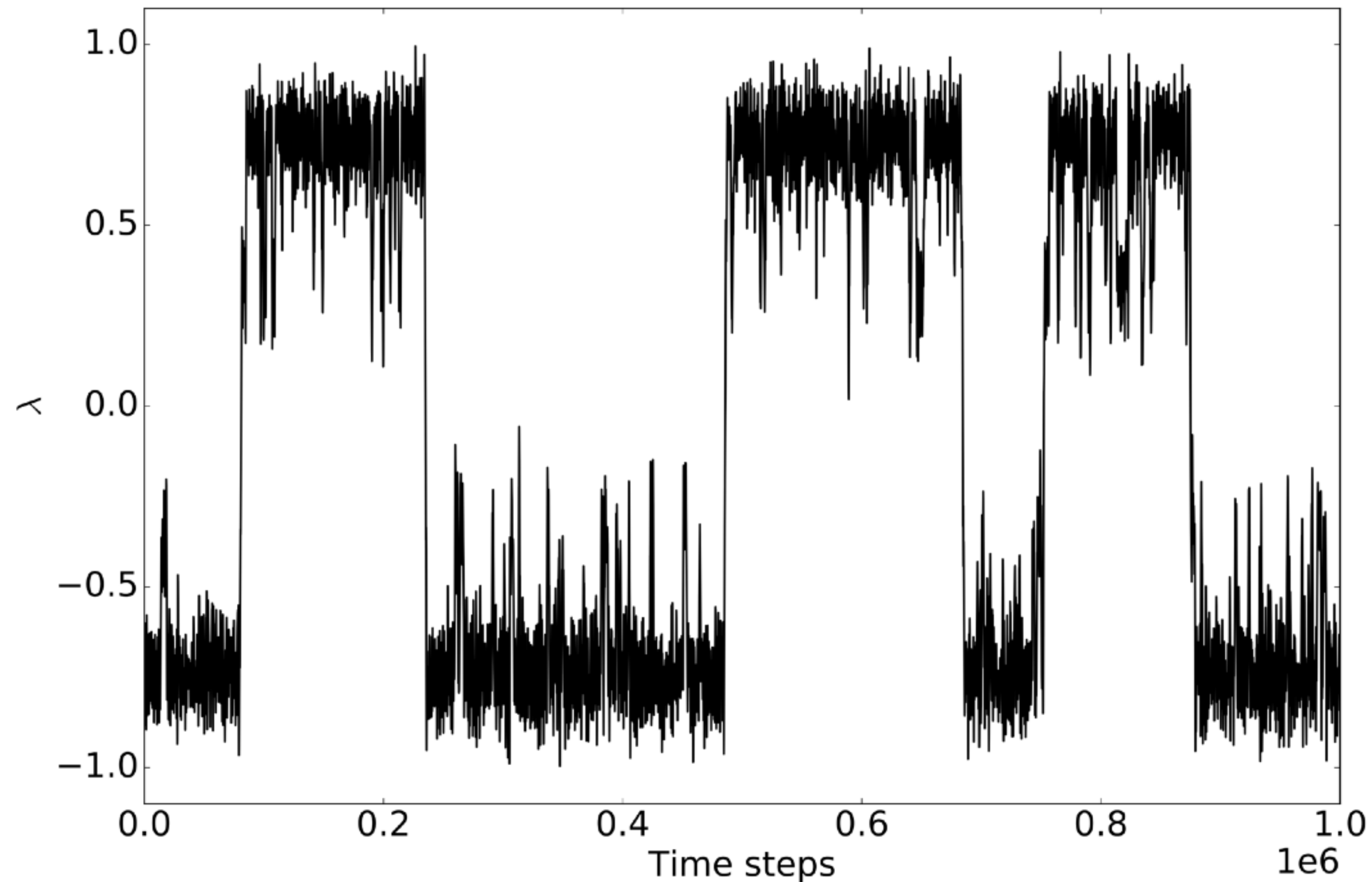
What Monte Carlo move can we use to generate new paths?



1. Select a point to “shoot” from (frame τ)
2. Modify the velocities at that point
3. Run forward (from τ to L) and backward (from τ to 0)

This gives us a statistically valid sampling of trajectories!

Calculating the rate with TIS



Successive crossing probabilities: multiply a number ~ 0.1 a bunch of times to get a very small probability