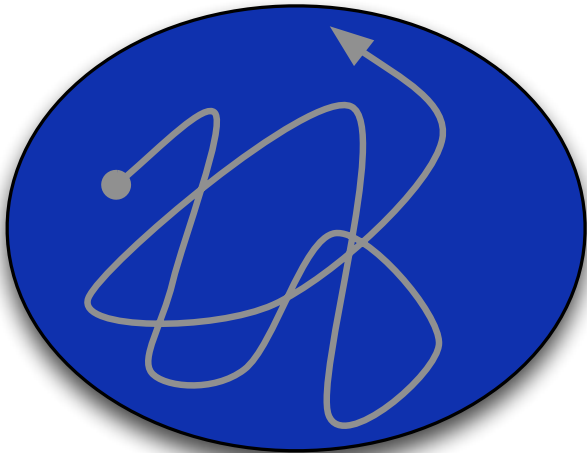




Pathfinder

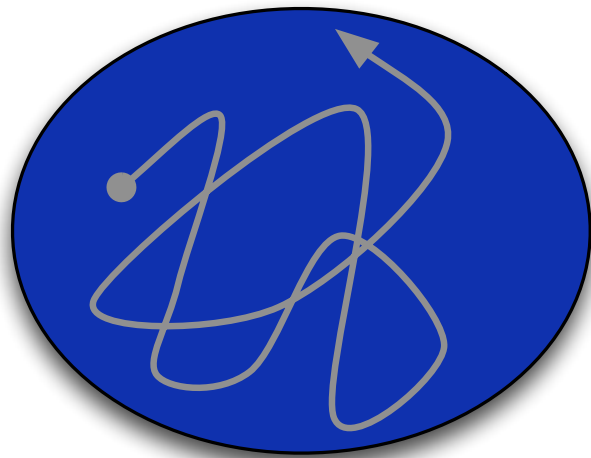
- If you keep extending this trajectory, when will it not satisfy the ensemble?

- If it doesn't satisfy the ensemble, can you ever continue it until it does satisfy the ensemble again?



AllenXense(A)

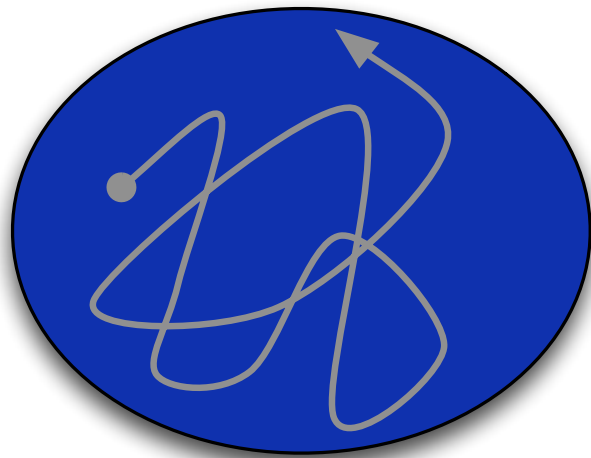
# Path Ensembles



$\text{AllInXEnsemble}(A)$

- If you keep extending this trajectory, when will it not satisfy the ensemble?
- If it doesn't satisfy the ensemble, can you ever continue it until it does satisfy the ensemble again?

# Path Ensembles



`AllInXEnsemble(A)`

- `ensemble(trajjectory)`: Does this trajectory satisfy the ensemble?
- `ensemble.can_append(trajjectory)`: Propagating forward, can this trajectory ever satisfy the ensemble? (`can_prepend` for backwards)
- `ensemble.split(trajjectory)`: return subtrajectories that satisfy this ensemble