New set of simulations with different kinds of perturbations, all using the same parameter dataframe of lambdas and alphas.

a.intra = -3.5

a.gen.mean = -7

a.diff.range = ±(1.5, 3.2)

a.env.range = ±(.5, 1.5)

focal species: 1

[1] "a.diff" "3" "7" "9" "8" "2" "13" "15"

[1] 1.961396

[1] 3.129007

[1] 2.648101

[1] -2.396445

[1] 3.130379

[1] -2.828948

[1] 3.03599

[1] "a.env.id" "1" "13" "5" "12" "14" "15" "6"

**perturb\_1**

**(same as the previous test\_5)**

Simulated from original random population distributions (not run to equilibrium)

**perturb\_2**

Run to equilibrium and perturbed with random noise (mean and sd of the current population size, then rounded and truncated at 0)

**perturb\_3**

Run to equilibrium and perturbed with stronger random noise (mean of the current population size, sd of 2x current population size, then rounded and truncated at 0)

**perturb\_4**

Run to equilibrium and perturbed with Poisson-generated noise