

CAP6938

Neuroevolution and
Developmental Encoding

Working with NEAT

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Exploiting Speciation

- Keep a list of species with increasing ID's
- Species elitism: duplicate the species champs in the next generation
 - Only if species is above size 4 or 5
 - Irrelevant in rtNEAT
- Stagnation Detection
 - Track generations since last improvement for each species
 - Drop fitnesses of stagnant species to near 0

Crossover Issue

- Two different connections can end up connecting the same nodes
 - Maybe disallow

