

# Genetic algorithm based on octopus learning mechanism

Zhang Lifeng and Wu Qiuxuan

School of Automation, Hangzhou Dianzi University, Hangzhou

- Use a single RNA chain to represent the individuals of the population.
- Imitating the octopus's A-to-G RNA editing method to replace traditional gene mutations, using behavioral learning to design the RNA chain.
- Use behavioral learning to design the RNA chain, and determining the possibility of RNA editing by evaluating the RNA chain.

