

Check Points: Developmental Systems

If you are not able to answer some of these questions, first check the slides and lecture notes. If you still do not understand the question, send me an e-mail at Dario.Floreano@epfl.ch

- What is a re-writing system and what can be used for?
- Describe the components of an L-system and its operation
- Describe the turtle interpretation of L-systems
- How can we apply re-writing systems to describe circuits and networks?
- What is a bracketed L-system and why is it used?
- What is a context-sensitive L-system and why is it used?
- Describe the matrix rewriting system for evolving neural network topologies
- What are Compositional Pattern Producing Networks and where are they used?
- What are the main features of the NEAT evolutionary algorithm?
- What is HyperNEAT?
- What are the advantages and challenges of Developmental Systems?