

TEKSOLO MAS

Lecture 3: SI

Exercise: SI

Question 1

a) What do we mean by emergence in swarm intelligence?

b) Emergence is the collective intelligence that emanates from a group of simple/reactive agents that can not be explained by examining a single agent on its own.

2) The collective emergent intelligence seems to be the "product" of the many reactive interactions between simple agents.

6) What is stigmergy?

Stigmergy is indirect interaction

1) Non-symbolic form of interaction mediated by the environment.
Insects exchange information by modifying their environment

2) Local information is only accessible by those insects that can visit the locus in which it was released/deployed.