

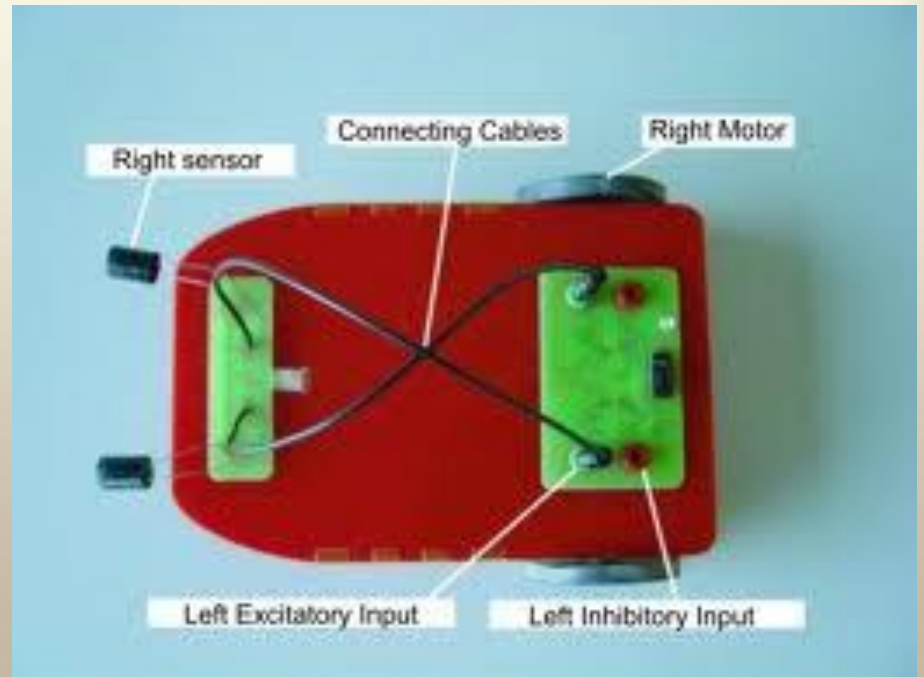
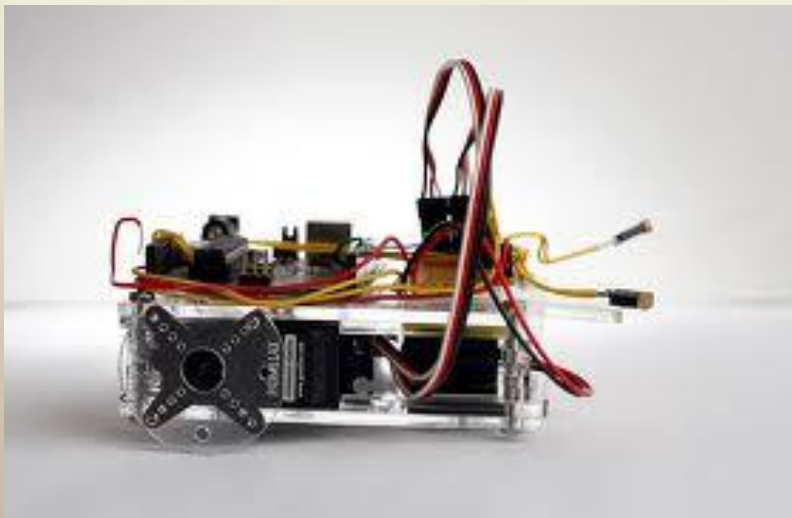
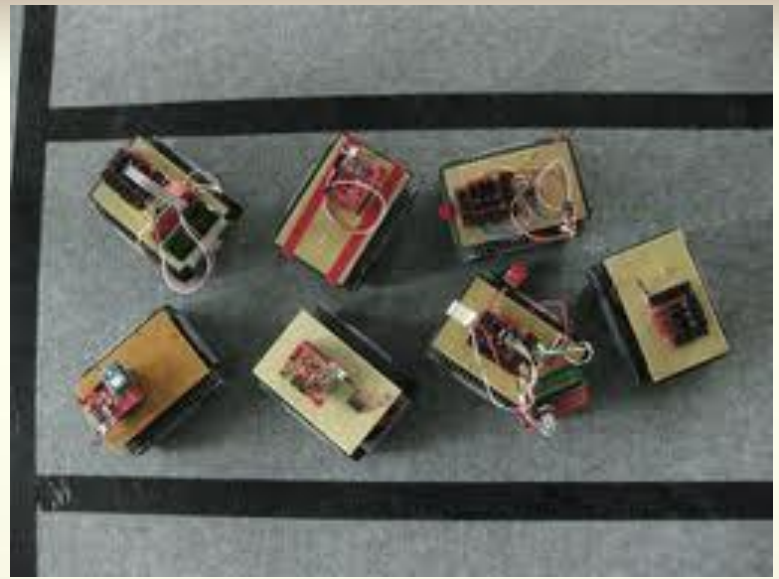
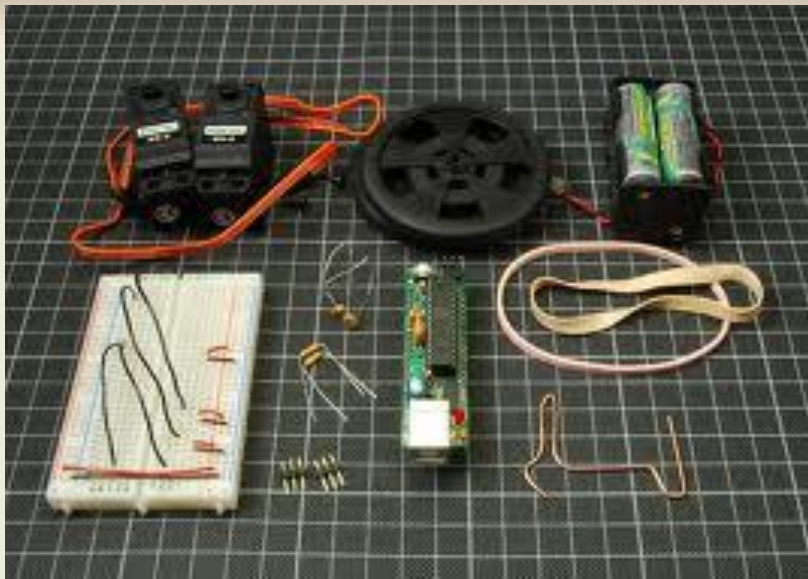
Valentino Braitenberg

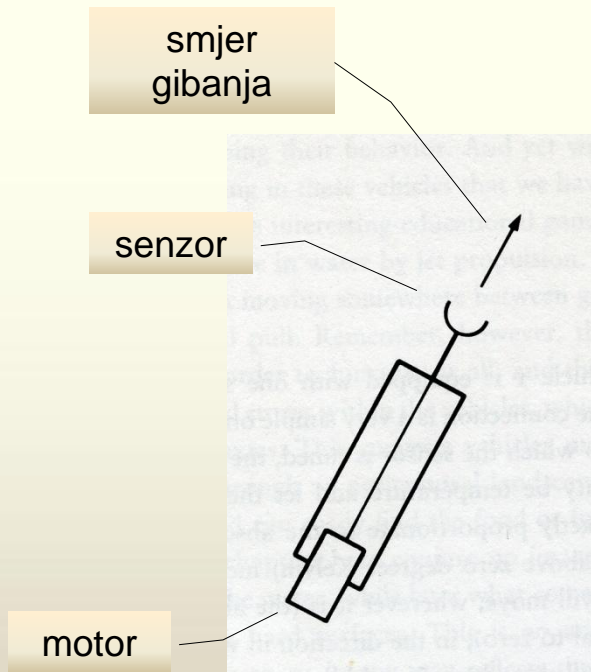
Vehicles

Experiments in Synthetic Psychology

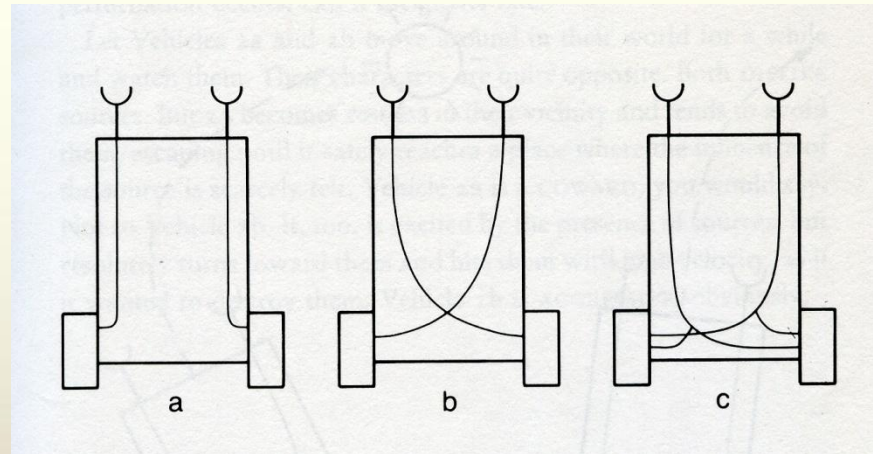
A Bradford Book / The MIT Press, 1984.



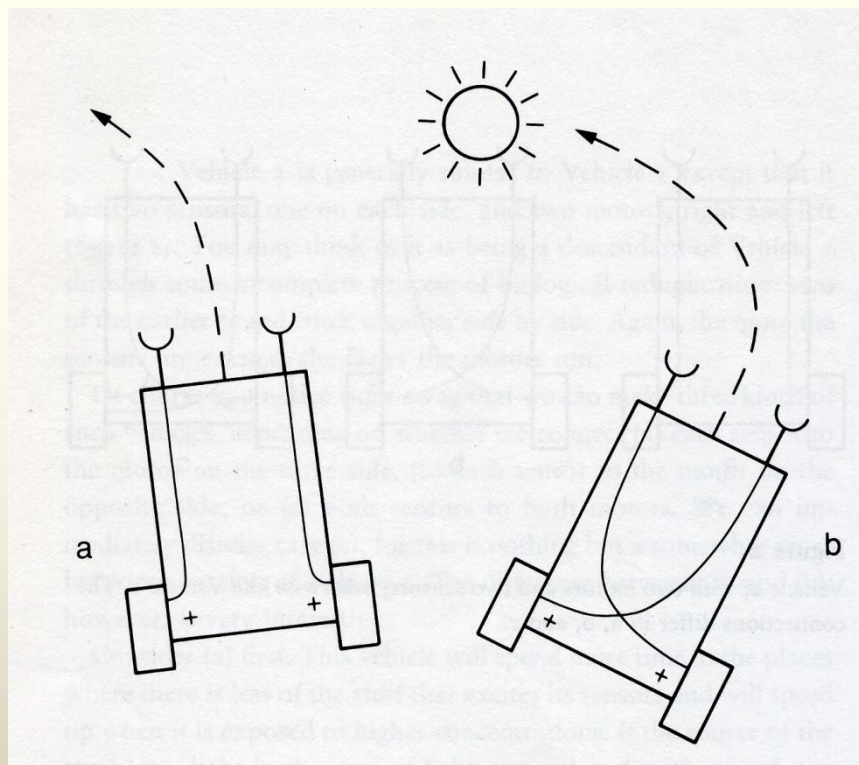




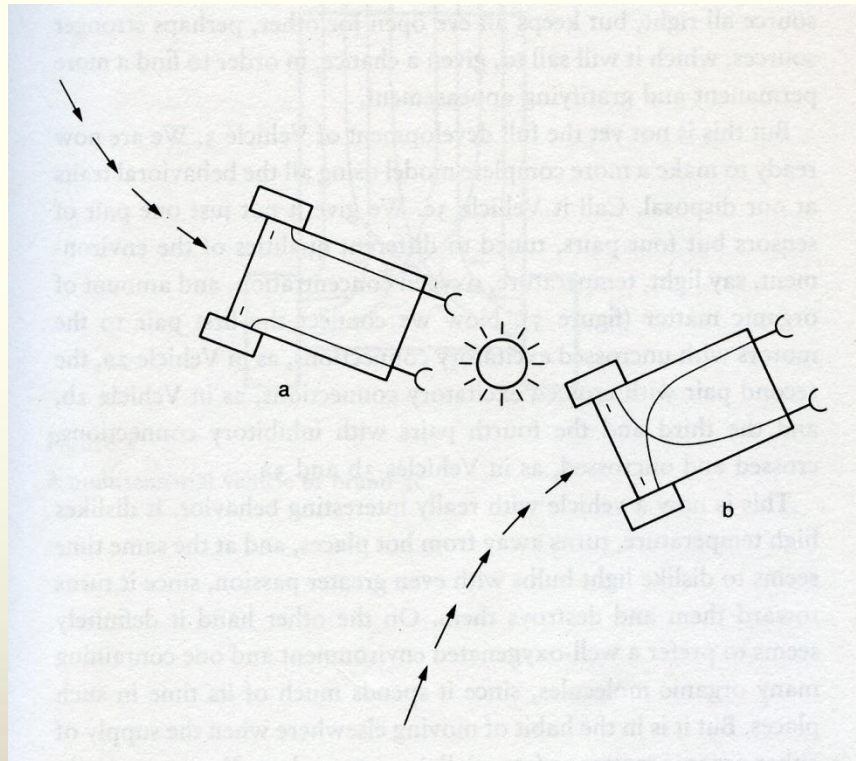
Stroj 1.



Varijante stroja 2.

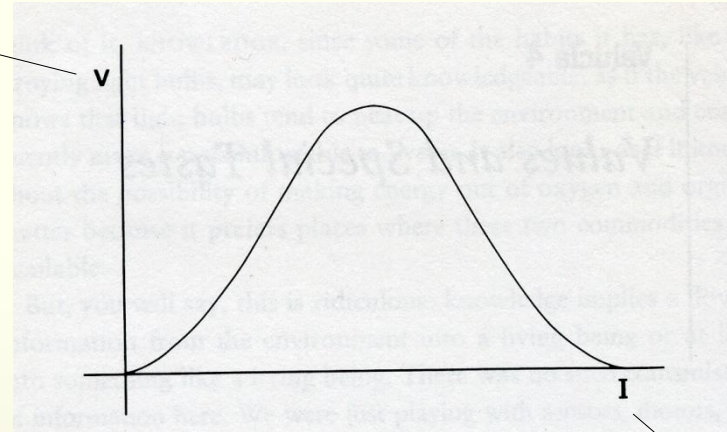
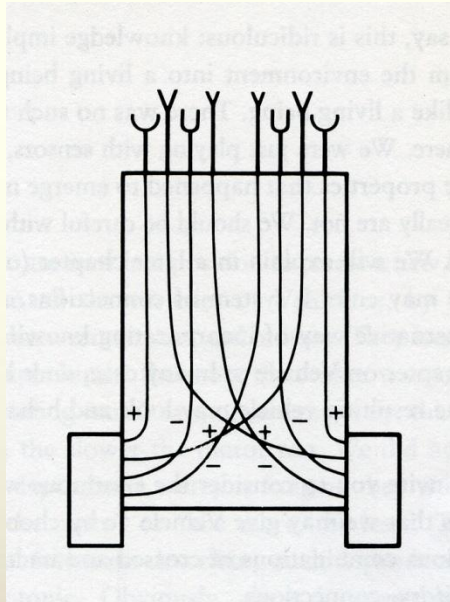


“Ponašanje” varijanti stroja 2. u slučaju izvora koji ne leži sasvim ravno, već smaknuto ispred: a izbjegava izvor, b teži k izvoru



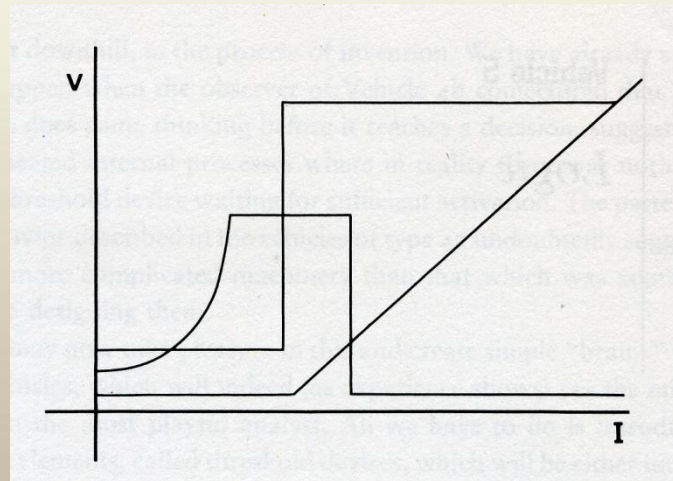
“Ponašanje” varijanti stroja 2., po ugradnji inhibitora koji u blizini izvora uzrokuje usporenje: a voli izvor, b je istraživač

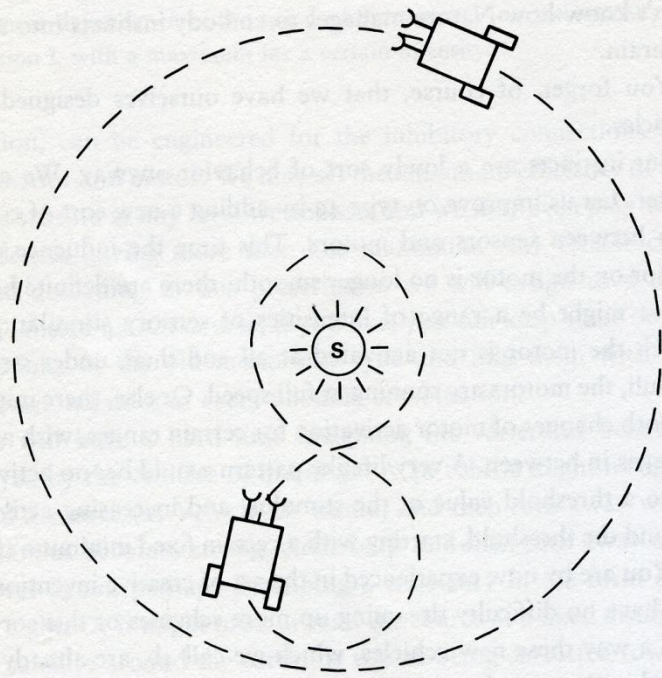
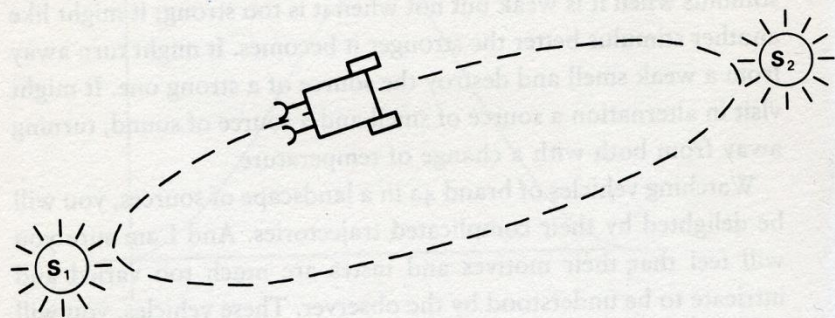
brzina motora



intenzivnost stimulansa

**Unapređenje “ponašanja”
uvođenjem dodatnih osjetila
(instinkti)**





Teško zaključivanje o unutarnjoj strukturi (skriveni mehanizam) na temelju izvanjskog ponašanja, bez otvaranja kutije.

indukcija (analiza) – potraga za rješenjem; teško

dedukcija (invencija) – slijeđenje rješenja; lako

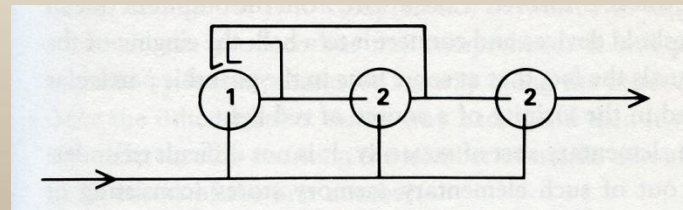
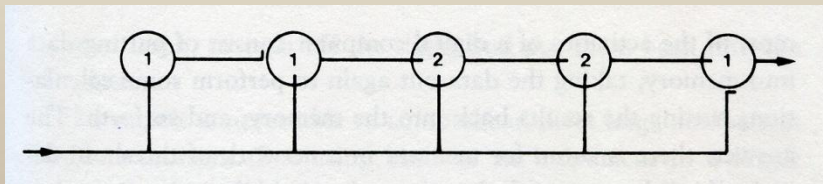
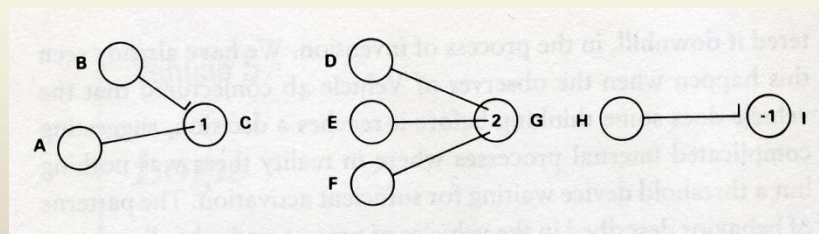
Psihološka posljedica: tendencija precjenjivanja složenosti mehanizma.

stimulans

intenzivnost stimulansa

prag aktivacije/inhibicije

Odnosi: jedan prema jedan, jedan prema više, više prema jedan...

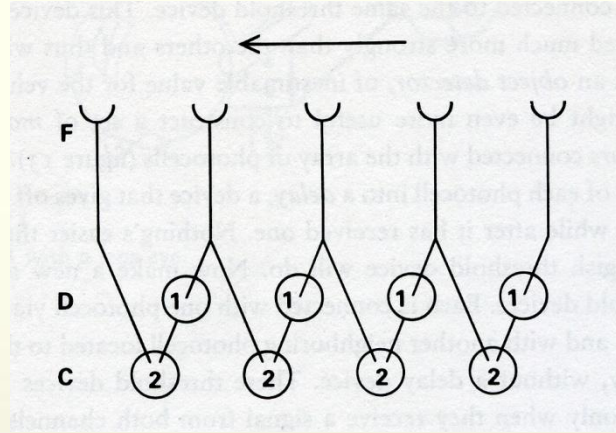
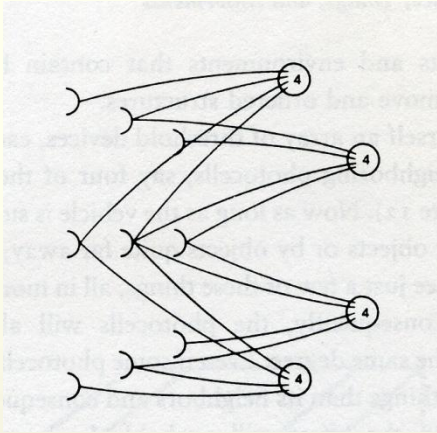


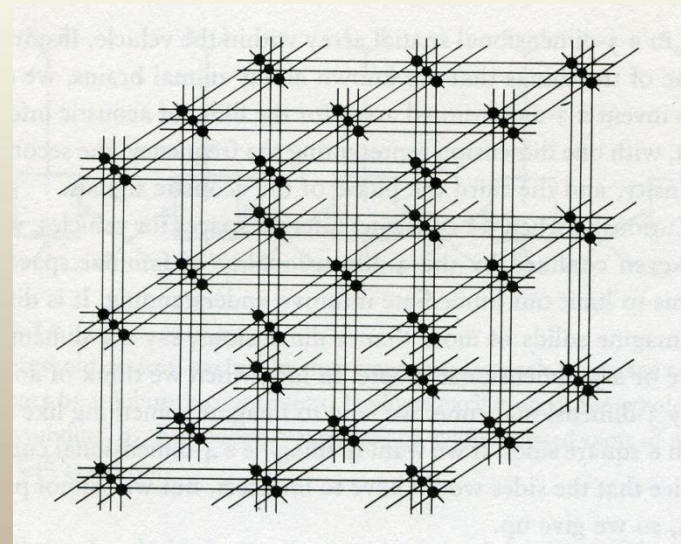
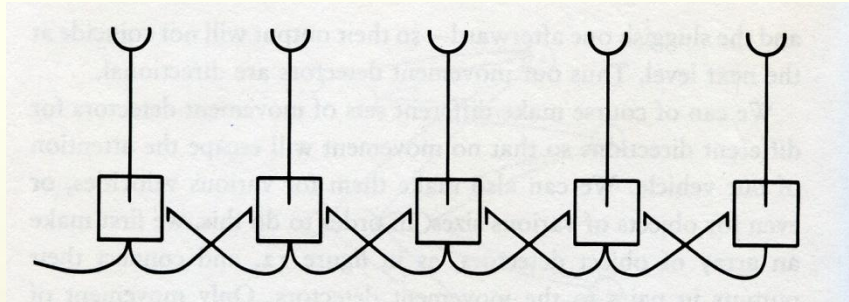
Selekcija – Darwinova evolucija

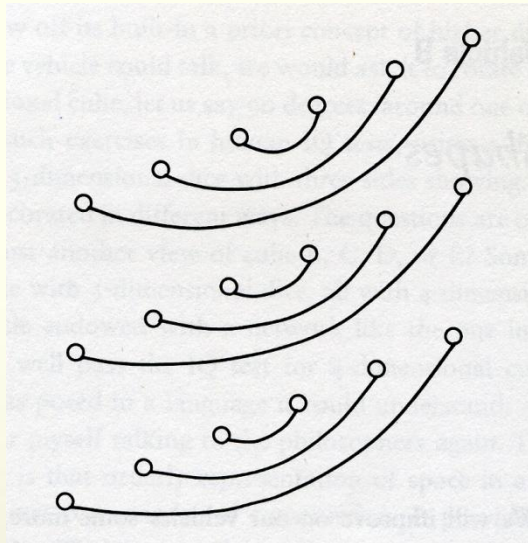
Više uređaja (mehanizama) na stolu -- oni koji ne padnu sa stola “preživljavaju” (i mogu se množiti u budućnosti – tajnovita natprirodna ruka upravlja kreacijom?).

Adaptacija

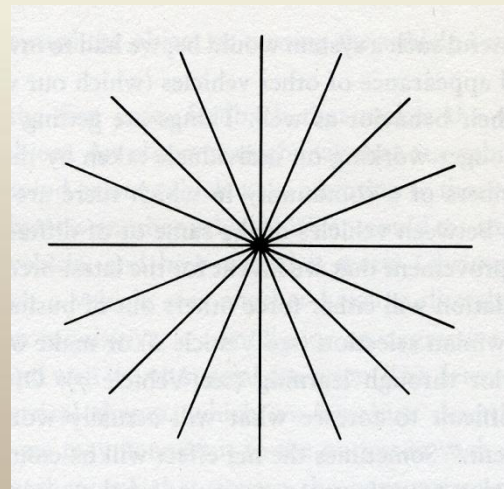
Uspostava novog stanja i trom povratak na inicijalno (ako nema daljnjeg stimuliranja).







Simetrija (periodičnost, ponavljanje oblika) – poziv na interakciju (građevine, botanika, kukci i cvijeće...).



Uzorak invarijantan prema promjeni veličine

