

Persistence of a system near or at its original state in spite of a press perturbation

Resistance

Resilience

Speed of return to an original state after a pulse perturbation

Bioregions

Ecosystems

Emergent behavior

Plants

Cancer tumors

Microbes

Multiple states

Existence of multiple attractors under identical external conditions

Stability

Attraction to a steady state in absence of variation in external conditions

Tipping points

Abrupt change of the state of a system in response to a gradual change in an external condition