

## GLOSSARY

- Absolute hierarchical parameter...  
 Activity...  
 Adaptation of search...  
 Adaptation...  
 Adaptive random search...  
 Adaptive search optimality...  
 Adaptive search optimization...  
 Adaptivity...  
 Antiintuitive behaviour...  
 Atom...  
 Beginning of life...  
 Biocenosis...  
 Biogeocenosis...  
 Biogeosphere...  
 Biological rhythms or cycles...  
 Biom...  
 Bionics...  
 Biosoliton...  
 Biosphere of the Earth...  
 Blastomere...  
 Blastula...  
 Blind evagation (vagrancy)...  
 Blind search...  
 Canalizing of evolution...  
 Caste...  
 Causal-consecutive approach...  
 Cell complex or eucaryotic...  
 Cell's membrane...  
 Cell's nucleus...  
 Cephalisation...  
 Characteristic time...  
 Chemotaxis of microorganisms...  
 Chloroplast...  
 Chromosome...  
 Classical contour of regulation...  
 Classical contour of search optimization or extreme regulation...  
 Classical statement of adaptation task...  
 Classical statement of management task...  
 Classifications of "the organic world systems"...  
 Compartment of biogeocenosis...  
   See: parzelle  
 Compartment of Biogeosphere...  
   See: natural zone  
 Compartment of elementon... See: macromacromolecular structure  
 Compartment of pluricellular organism... See: organ and system of organs  
 Compartments of complex cell...  
 Compartments of sphere of the terrestrial group planets... See: "intermediate" Space  
 Complex Golgi...  
 Components of supracontour...  
 Computer memory...  
 Conscience...  
 Control system...  
 Creature's metaevolution...  
 Criterion of evolutionary optimality...  
 Crystal lattice...  
 Cybernetic model...  
 Cybernetics...  
 Cycle formula of creature's complication...  
 Cyclic time...  
 Cytoplasmic microfibrils (plasma membrane)...  
 Darwinism...  
 Depth of memory of search optimization algorithm...  
 Dictyosoma... See: complex Golgi  
 Dilemma of correctness and accuracy...  
 Ecosystem...  
 Element bioobject...  
 Elementary random search...  
 Elementon...  
 Endoplasmic network (endoplasmic reticulum)...  
 Energetics...  
 Eurisupracontour...  
 Evolution...  
 Evolutionary modeling...  
 Expansiveness...  
 External addition...  
 Extreme (variation) principles...  
 Extreme control...  
 Fitness...  
 Forecasting...  
 Forgetness function of system memory...  
 Formula of creature's metaevolution...  
 Gastrula...  
 Generalized adaptability...  
 Generalized adaptivity...  
 Genetic algorithms...  
 Genetic memory...  
 Geosphere-biosphere system...  
 Global optimization...  
 Great pryncedom...  
 Halfoptimization...  
 HEGEMON...  
 Heredity...  
 Hierarchical search optimizer...  
 Hierarchical system...  
 Hierarchility...  
 Hierarchy...  
 Homeostasis...  
 Homeostat...  
 Homeostatic control...  
 Horizon of creature's metaevolution...  
 Hunting (crabbing)...  
 Hyperball...  
 Hypercone...  
 Hypercube...  
 Hypothesis about rate of creature's metaevolution...  
 Ideality...  
 Identification...  
 INDIVIDUAL...  
 Informatics...  
 Intermediate Space...  
 Isolation...  
 Life...  
 Limit of creature's metaevolution...  
 Living system...  
 Local optimization...  
 Lysosome...  
 Macromolecular structure...  
 Macromolecule or biopolymer...  
 Macrostructure of bioobject...  
 Matrix random search...  
 Memory biological...  
 Memory immunoassay...  
 Memory neurological...  
 Memory...  
 Metaphase of creature's metaevolution...  
 Metastadium of creature's metaevolution...  
 Metastage of creature's metaevolution...  
 Metastep of creature's metaevolution...  
 Microstructure of bioobject...  
 Microtubule...  
 Mitochondrion...  
 Modeling...  
 Natural selection...  
 Natural zone...  
 Nature...  
 Nearest Space...  
 Near-the-planet Space...  
 Nomogenesis...  
 Object of control...  
 Occasionality...  
 Ontogenesis...

Optimality...  
 Optimization...  
 Optimizational approach...  
 Optimizational model of living cell...  
 Optimizational model of neuron...  
 Optimizational model...  
 Organ and system of organs...  
 Organelle...  
 Organic molecule...  
 Organism as system essence...  
 Organoid...  
 Orientation of evolution...  
 Parametrical adaptation...  
 Parzelle...  
 Periodic system of creature...  
 Periodic table of formation stages of creature's structures...  
 Periodic table of metaphase of creature's metaevolution...  
 Periodic table of the organization forms of creature's suprasystem...  
 Phylogenesis...  
 Pluricellular organism...  
 Population...  
 Positive feedback...  
 Principle of actualism principle...  
 Principle of causation...  
 Principle of Le Chatelier...  
 Principle of minimum dissipation of energy...  
 Procaryot...  
 Progress in living nature...  
 Pseudosupracontour...  
 Pulse to development...  
 Purpose (goal, aim)...  
 Quasisupracontour...  
 Random evagation (vagrancy)...  
 Random jump...  
 Random search...  
 Randomization...  
 Regress in living nature...  
 Ribosome...  
 Root point of the creature's qualifier...  
 Search activity...  
 Search huntings (crabbing)...  
 Search optimization...  
 Self-organization...  
 Self-organizing system...  
 Sense of life...  
 Sense of the universe's life...  
 Setting (set point)...  
 Spatial group of symmetry (Fedorov's group)...  
 Specific activity of bioobject...  
 Specific external environment...  
 Specific pryncedom...  
 Sphere of the terrestrial group planets... See: "Nearest" Space  
 Splitting of an egg...  
 Stability...  
 Structural adaptation...  
 Structureness...  
 Subcompartment of biogeocenosis... See: population  
 Subcompartment of Biogeosphere... See: biom  
 Subcompartment of complex cell...  
 Subcompartment of elementon... See: organic molecule  
 Subcompartment of pluricellular organism... See: tissue  
 Subcompartment of sphere of the terrestrial group planets... See: "near-the-planet" Space  
 Succession...  
 Superorganism...  
 Supracontour...  
 Supraoptimization...  
 Supraoptimizational contour (or supracontour)...  
 Suprasystem...  
 Symbiosis...  
 System approach...  
 System goalposition...  
 System memory...  
 System of "enough high" complexity...  
 System of a nature...  
 System paradigm...  
 System...  
 Systematics (taxonomy)... See: classification of "the organic world system"  
 Systemness...  
 Target approach...  
 Target criterion of optimization...  
 Teleology...  
 Teleonomy...  
 The conflict between speed and accuracy of optimizational search...  
 The law of necessary optimizationality...  
 The qualifier of creature...  
 Theoretical biology...  
 Theory of control...  
 Theory of extreme control  
 Theory of search optimization...  
 Three-contourness of the hierarchical search optimization mechanism...  
 Tissue...  
 Triad... See: metastage of creature's metaevolution...  
 Trial-and-error method...  
 Tribe...  
 True bioobject...  
 Ultrastructural intracellular element... See: elementon  
 Universal history...  
 Variability...  
 Variety...  
 Virtual bioobject...  
 Wave of creature's metaevolution...