

System Type: *atis*AllopoieticSystem

(*System type* is part of the metatheory and describes configurations and properties that characterize a specific system.)

Allopoietic system, $_{AP}\mathfrak{S}$, =_{df} an open system that has derived production output.

$$_{AP}\mathfrak{S} =_{df} \mathfrak{O}(\mathfrak{S}_{DP/T})$$

Allopoietic system is an open system that has derived production output.

Most systems are allopoietic systems; that is, they take in energy or material products and produce as output something other than themselves. Biological systems are allopoietic in that they reproduce rather than self-produce. Even intentional systems that attempt to establish similar systems are still allopoietic in that replication is not perfect; that is, replication is not cloning.

Examples: In franchised store operations, the product of the franchise results from the production as an allopoietic system. That is, whereas the store was set up with all of its equipment and production components, an autopoietic process, the product being produced for sale is distinct from the system, an allopoietic process. Schools are allopoietic systems; that is, their output, the students, are not a reproduction of the school, but the result of the school's production process.