

System Type: *atis*SystemEnvironment

(*System type* is part of the metatheory and is defined by characterizations of those system properties that define such a system.)

System environment, or negasystem, \mathcal{S}' , =_{df} The system that corresponds to and is disjoint from the targeted demarcated system.

$$\mathcal{S}' =_{df} \mathcal{W} \mid \mathcal{W} = (\mathcal{S}'_o, \mathcal{A}') = (\mathcal{S}'_o, \mathcal{S}'_\phi) \wedge \mathcal{W} \cap \mathcal{S} = \emptyset \wedge \mathcal{W}, \mathcal{S} \subset \mathcal{U} \wedge \mathcal{W} \cup \mathcal{S} = \mathcal{U}$$

Negasystem is defined as a system and its intersection with the targeted system is equal to the null set, and the two systems are a subset of the universe and their union is equal to the universe.