

## System Type: *atis* Negasystem

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

**Negasystem, or system environment,  $\mathcal{S}'$ ,** =<sub>df</sub> 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.