

## Set-Theoretic Property: *atis*SystemObjectSet

(*Set-theoretic properties* are those properties that are part of the meta-theory and have been abducted from set theory to be used as a tool to provide solutions concerning the theory. Those solutions may be assigned as values to components or relations of the theory and thereby become part of the theory.)

**System object-set**,  $\mathfrak{S}_0$ , =<sub>df</sub> A set with at least two components within the universe of discourse.

$$\mathfrak{S}_0 =_{df} \{x \mid x \in \mathfrak{S} \subset \mathcal{U}\} \wedge |\mathfrak{S}| > 1$$

**System object-set** is defined as a set of components that are in a subset of the universe with at least 2 components.