

Set-Theoretic Property: *atis* **GeneralSystemState**

(*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.)

General system state, \mathcal{S} , =_{df} a list of system properties.

$$\mathcal{S} =_{df} (\mathcal{P}_1, \mathcal{P}_2, \dots, \mathcal{P}_n)$$

General system state is defined as a list of system properties.