

## Mathematic Property: *atis*StateMeasure

(*Mathematic properties* are those properties that are part of the meta-theory and have been abducted from mathematics 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.)

**State measure**,  $\mathcal{M}(\mathcal{S})$ , =<sub>df</sub> an APT&C measure of system properties at a given time.

$\mathcal{M}(\mathcal{S})$  =<sub>df</sub>  $\mathcal{A}(\mathcal{S})_t = \mathcal{A}(\mathcal{P}_1, \mathcal{P}_2, \dots, \mathcal{P}_n)_t$ ; where ‘ $\mathcal{P}$ ’ designates the property.