

Mathematic Property: *atis*Measure

(*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.)

Measure, \mathcal{M} , =_{df} A function, f , or APT&C Score, \mathcal{A} , defined on one or more Affect Relation sets, $\mathcal{A}_i \in \mathcal{A}$, such that a value is determined.

$$\mathcal{M} =_{df} [\exists f(f: \mathcal{A}_i \rightarrow \mathbb{R}) \vee \exists \mathcal{A}(\mathcal{A}: \mathcal{A}_i \rightarrow \mathbb{R}^n)] \mid f(\mathcal{A}_i) = v \vee \mathcal{A}(\mathcal{A}_i) = (v_1, v_2, v_3, \dots, v_n)$$

Measure is defined as a the existence of a function from an Affect-Relation set to the Reals, or an APT&C function from an Affect-Relation set to a product of the Reals, such that the value is a real or an ordered n-tuple.