

## Mathematic Property: *atis*SystemAffectRelationMeasure

(*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.)

**System affect relation measure**,  $\mathcal{M}(\mathcal{A}_m)$ , =<sub>df</sub> a measure that is a function,  $f$ , or APT&C Score,  $\mathcal{A}$ , defined on one or more Affect Relation sets,  $\mathcal{A}_m$ , such that a value is determined.

$$\mathcal{M}(\mathcal{A}_m) =_{df} [\exists f(f: \mathcal{A}_m \rightarrow \mathcal{R}) \vee \exists \mathcal{A}(\mathcal{A}: \mathcal{A}_m \rightarrow \mathcal{R}) \mid f(\mathcal{A}_m) = \mu \vee \mathcal{A}(\mathcal{A}_m) = \nu]$$

**System affect relation measure** is a value derived from a function or APT&C score defined on an affect relation set.