

Dynamic System Property: *atis*Filtrationness

(Dynamic system properties are those properties that are part of the theory and describe patterns in time as change occurs within a system or between a system and its negasystem.)

Filtrationness, $\mathcal{F}(\mathfrak{S})$, =_{df} the set of *toput system-control qualifiers* that control *feedin* of *toput*.

$$\mathcal{F}(\mathfrak{S}) =_{\text{df}} \{P(\mathfrak{x}) \mid P(\mathfrak{x}) \in {}_{T_p}\mathcal{L}_C \wedge \mathbf{A}^{\text{Filtration}} \sigma_{\mathfrak{x}} (\sigma_{\mathfrak{x}}: T_p \times {}_{T_p}\mathcal{L}_C \rightarrow (T_p I_p))\}$$

Filtrationness, is a set of predicates, $P(\mathfrak{x})$; such that, $P(\mathfrak{x})$ is an element of the *toput system-control qualifier*, and the *ATIS-Filtration Quantification* with respect to the *system transition function* is such that, the *transition function* maps *toput* to itself or to *input*.

