

Dynamic System Property: *atis* **Integration**ness

(*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.)

Integrationness, ${}_{IG}\mathcal{S}$, =_{df} Maintenance of wholeness under change in system state.

$${}_{IG}\mathcal{E} =_{df} \Delta \mathcal{S}_{t(1) \rightarrow t(2)} \Vdash \mathcal{M}([W_{t(1)}, W_{t(2)}]) < \alpha$$

Integrationness is defined as a change in system state from time t_1 to time t_2 yields a measure of wholly connected components at times t_1 and t_2 that is less than α .

(**Integration** in SIGGS has been misidentified as being the result of a change in the environment, whereas the change actually occurs within the system; hence, a change in system state.)