

State Type: *atis* CoordinatedStates

(*State type* is part of the metatheory and describes configurations and properties that characterize a particular state.)

Coordinated states, ${}_{CD}\mathcal{S} =_{df}$ derivability of the states of a family of coterminous systems from the preceding states of each system.

$${}_{CD}\mathcal{S} =_{df} \forall \mathcal{S} (\mathcal{S} \in {}_{CT}\mathfrak{S}_i \in \mathfrak{F}({}_{CT}\mathfrak{S})) [\mathcal{S}({}_{CT}\mathfrak{S}_{1:t(1)}), \mathcal{S}({}_{CT}\mathfrak{S}_{2:t(1)}), \dots, \mathcal{S}({}_{CT}\mathfrak{S}_{n:t(1)}) \supset \mathcal{S}(\mathfrak{F}({}_{CT}\mathfrak{S}_{t(2)})]$$

Coordinated states are defined as the states of the family of coterminous system states at time t_1 implies the state of the family at time t_2 .