determinate machine ⟷ closed single-valued transformation

$\downarrow$ P_0 P_1 P_2 P_3 . . .

P_1 P_2 P_3 P_4 . . . states of the system

trajectory (line of behaviour)

machine → transformation; CANONICAL REPRESENTATION

1. state of the machine ⇄ element of the group (one-one)
2. succession of states —— unbroken chain of arrows
3. equilibrium state (absorbing st) —— no arrow leaves
4. cycle —— cycle
5. stoppage of machine by experimenter —— movement of representative point by the initial condition (initial condition ?.?)

Canonical Form $\frac{dx}{dt} = \ldots$ $\frac{dy}{dt} = \ldots$

p. 36

PHASE SPACE: Whole range of trajectories of the system

System: List of variables, p. 39-40

search for single-valued variables or probabilities.

$\downarrow$

in economics: We should have to find transitions (vector state definitions!) which have constant transition probabilities i.e. permit to "explore" states according to a markov or a renewal (or similar) process.