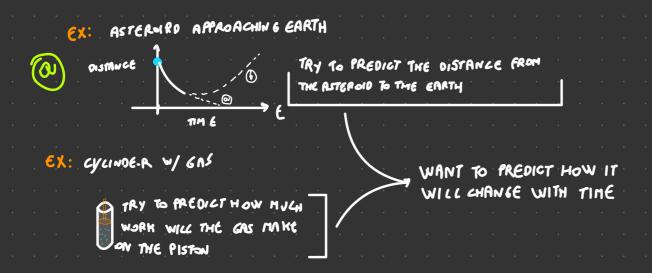


DYNAMIC PRINCIPLE: TYPE OF MODELS, A WAY TO BE MODELS.

GOAL OF MODELS: PREDICT THE FUTURE STATE OF A SYSTEM GIVEN

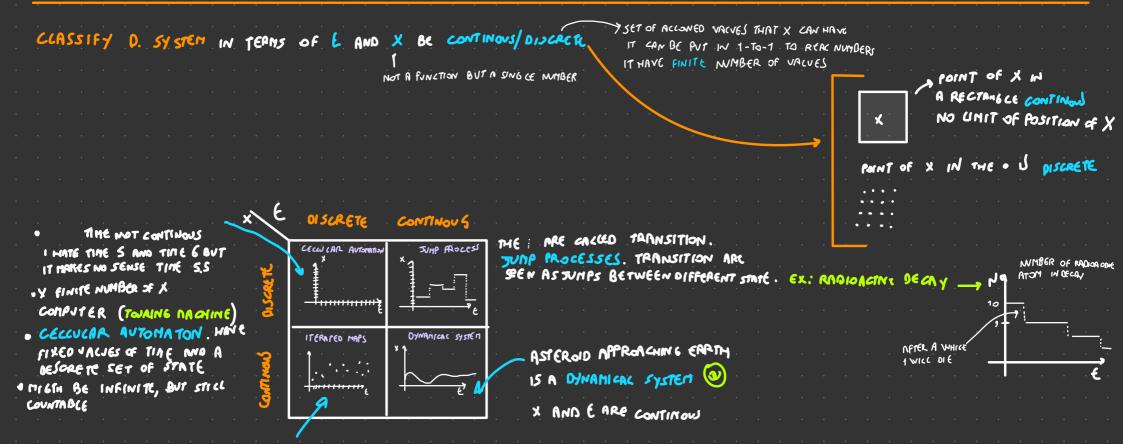
THE PRESENT STATE. TRY TO PREDICT WHAT WILL HAPPEN PREDICT "PREDICT" FAST

IN 15 OR 14 OR 14EAR.

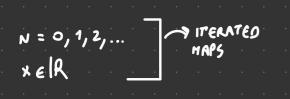


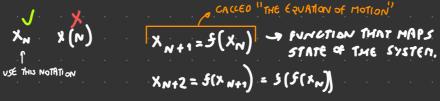


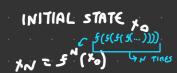
DYNAMICS: DEPENDENCE OF X W.R.T. E



NO COSTRINT IN THE X VALUED, CALLED ITERATED MAPS. GAN BECOME CAPTHIC MENSURE EVERY 15TH OF AUGUST THE LENGTH OF A SCALIFE











TRAGECTORY/ORBIT & xo, X1, X2, ... } (LAN BE INFITE OR NOT) CONSTRAINT

NOT ACCOUNTS BECAUSE OF DETERMINISTICS, THIS CONDITION WOULD HAVE SOMETHING UNDETERMINED

MEDICTED NO ARROW TO GO OUT MUST BE 1

ant AND ont only PARROW GONG DOWN

WINTECY THAT REPEATS ITSELF PERIOD OF THE CYCLE xm+P=xn Yn Pan {3,2,1} IS A CYCCE -> PERIOD 3

· FIRED POINT CYCLE OF PERICO 1 (SOMETHING THAT GOLD TO ITSECF) (P=1) x = f(x)

MAP THE STRIKE OF A GNEW TIME T-THE STATE IT WILL FOW TO

- PECURACUT STATE: STATE THAT I VISIT INFINITE CY MANY TIMES
 IF , PAJS IN 2 I WICE PASS INFINITE TIME (7,3,2,1) ARE REGURARMY

 TARMSIENT STATE: NOT VISIT INFITECY MANY TIMES (6,5,4)
- ENFOT: SUBSET OF THE GRAPH RECATED TO COMMED QUANTITIES
- · REVERSEBICITY: IF I HAVE (Xo, X1, X2...) A GIVEN TRINECTORY THAT IS PCCOWED THEN PLSO (..., X 2, X, X) IS ACCOMED AS WELL BY THE DYNAMICAL SYSTEM