Kecap

- Full factorial analysis: 2-level n-factor design "spaces"
 - a) Main effect: change from low to high for all Oltred combinations
 - b) Interaction effect: (effect of Tem, (at = A) - (effect of Temp, (at=8)
- exponentially large for harge n values

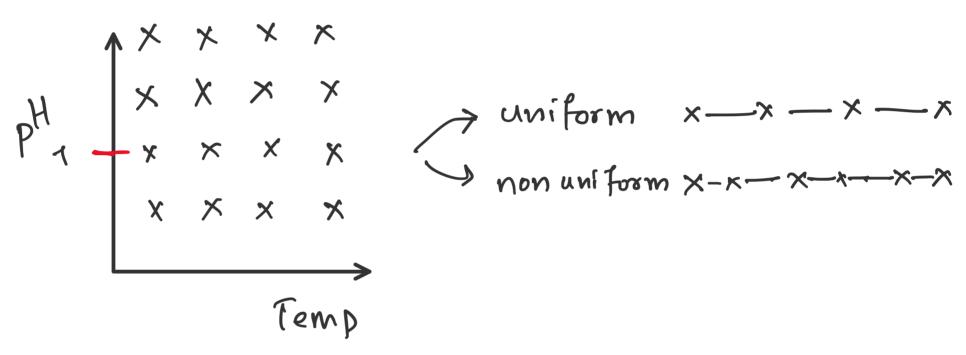
Space filling design

- space in the context of experimental design 1- nano particle: pH, precursor conc, Temp, ...
 - 2. plastics out of algy: Temp(room -> deg 7emp) Prossure (afm -> machine throchold)

(2-dim space)

3. protien rxn: orientation (angle) confirmation equilibrium on/off rate (2x times) (6-dim spall)

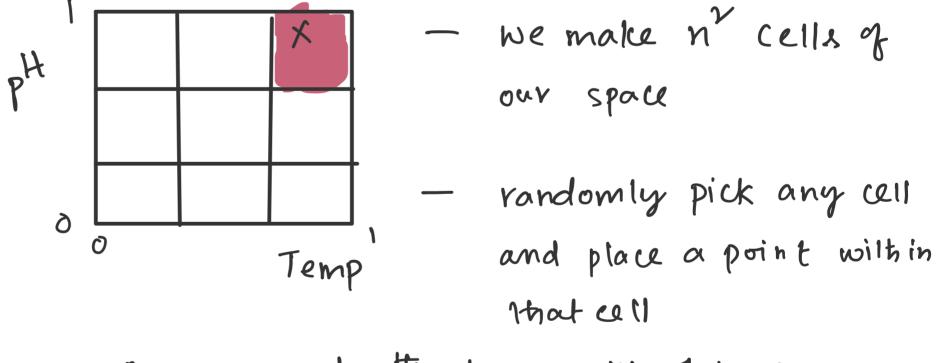
- response E design parameter (model)
- examples:



"grid design" > exponential growth

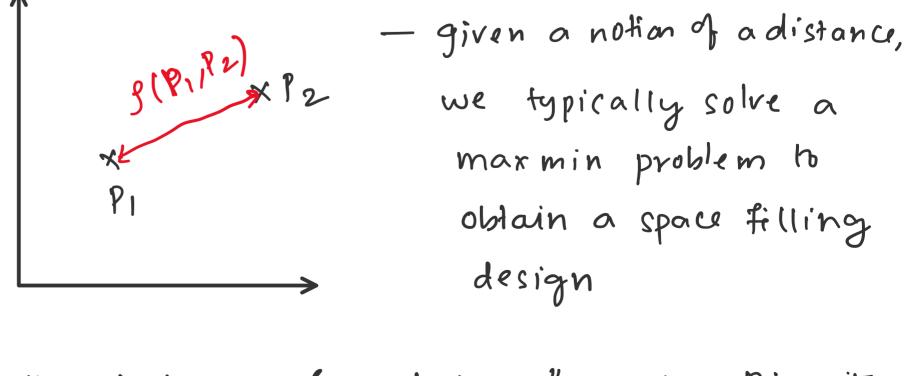
non-linear responses are

Latin Hypercube Sampling



- ist row and jth column will not have any more points.
- T = 011, 0.3, 0.5, 0.6 PH = 0.2, 0.3, 0.45,0.7
 - (0.1,0.5), (0.2,0.5), (0.3,0.1)....

Distance based design



- optimization techinques for solving "Max Min Diversity

Sobol Sampling

Problems (MMDP)

- generators to sample points sequentially. (
- direction to place points such that it fills Itu space that has not already occupied