

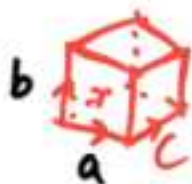
HDA, higher dimensional automata.
(V. Pratt, 91)

An algebraic and geometric model for concurrency

An n -cube represents n actions which can be performed concurrently



and b can be executed "at the same time"



if the cube is "filled in",
 a, b, c can all go together

if it is not the full cube,
at most 2 can go together

Glueing cubes gives

semi-cubical
complex

Geo.
Realization

A local
po-space