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Space 1 men sion (to specify a point) Coordinate orthogonal Point - element of some set called a space ayıs Space = set w/some added structure
-> huraroug of spaces Spaces are nathuratical structures 150 morphism - 1 to 1 correspondence between Each axis is an orthogonal independent linear structure. A space is a set of elements where one element exists for each combination of elements from the axis structures

Somain

type then

Mathematical structure structure on a set a type mathematical abjects that attach to a set algebraic structures avious topological structures disheomerphisms - disferential structures object = thing being abstract object Physical referent Convectednes: mappings Yopological space Sel of points Set of neighbourhoods for each point axioms relating points and neighborhoods