famblens of spotial preggens de obotios; satury critical, high integrity + wiply intruction (encionate seach + secure, self-obsing · mHi robot it weeken interaction wl (about estration :) anirum) Usul in Localization + Newpoing publicus - by that of 5 LAM is to reconstruct the tryecting of year robot. loop closure: mesanuts of pases that are ter any. (idutifying prevanty visitual keestins and one then to consider a considered cerress) Brandrated Non-convexity: you solve the convex approximation of the preden.

CAMP: robot lider-berus localization & Torrun Relative Noupetien Ly visin based pose estimble for pocketry. Hierochical Representatives Kimra: real-time metric-suretic SLAM metic-senatics: What's a table? what's a cyo? Ly my not be anyth in certain centexts too, for example, if you went to find "the litelen" if we're just mapping oncers and surahieally labellin, it'll not benen whet a Lothes, we super sentice began sound reason over relatives between elements in

An alteration approach water be to powerte 3D Scene Graphs:

Metric. Senetic Mesh -> Objects + Aprofs -> Places + Structures -> Rooms -> Buildings

With Merarchical representations, it's cooler to social, & prouph-board structures one better at coupling relations.

Hydron: real-time scar proph construction

A layunge mudel will not have an immediate
undertaking of the rooms so they're

Not as reliable

instand of GNN.

when it ours to along their for athlor
wirements; it's kind of difficult to
identify what congets to include.

Neural fact: convot perper its true:

to rober this, you can wre on clou to present sportial outslayy.

We also ment to wake one consisting is leget, so you can wre a LTN to conte comparety for mostly recommobble connections in the ontology.

Sulf. Supushand Learning

teal undoublater -> petrained sion -> model fifting
if the entyet is described correct, we can
back prop that back