



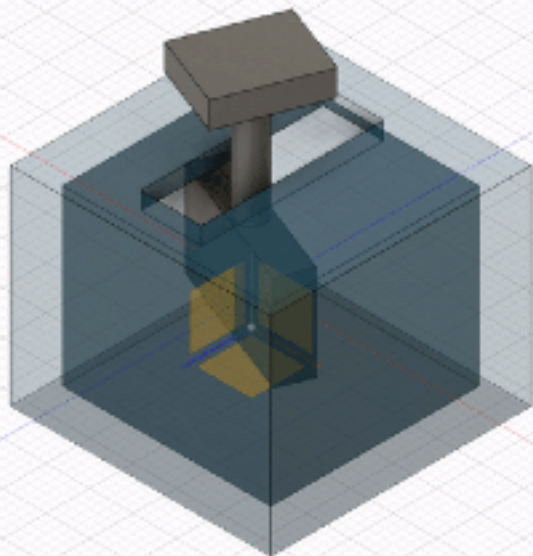
AUTODESK.

RESEARCH

Astar Planning and Execution

Exercitation

Planning Phase



MODEL



SKETCH



ORDER



HOLE



ASSEMBLE



CONSTRAINT



INSERT



NEW



MAKE



ADD



SELECT



POST

BIOZIMAR

4 keybox v5

Document Settings

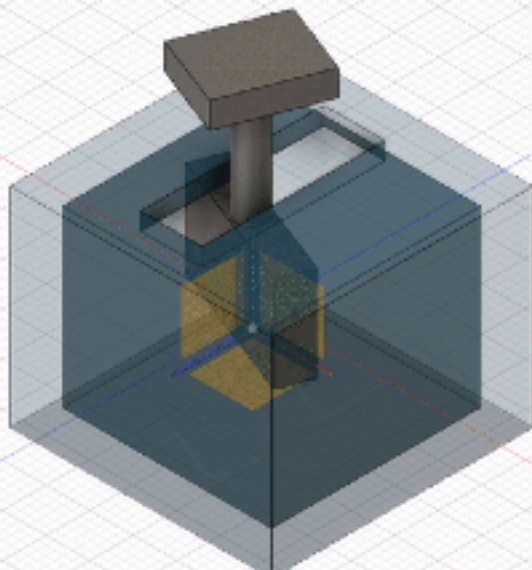
Named Views

Design

Sketches

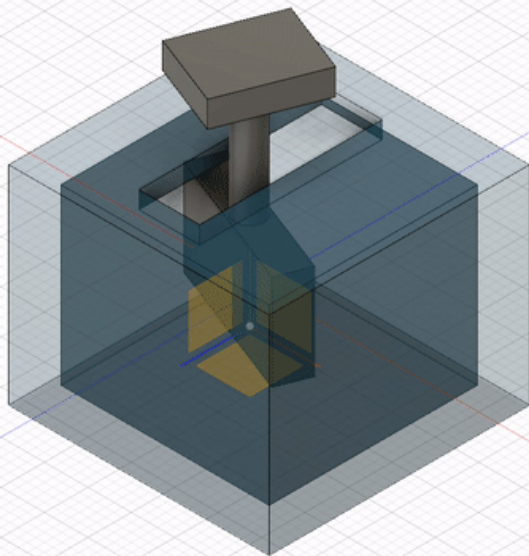
Components

key3



COMMENTS





MODEL ▾



SKET...



CREA...



MOL...



ASSE...



CON...



INSP...



INSE...



MAKE ▾



ADD...



SELE...



POSI...

← BROWSER



keybox v5



Document Settings



Named Views



Origin



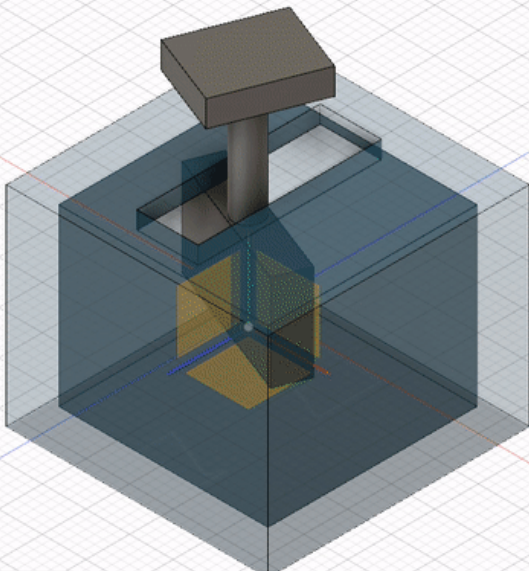
Sketches



Component1:1

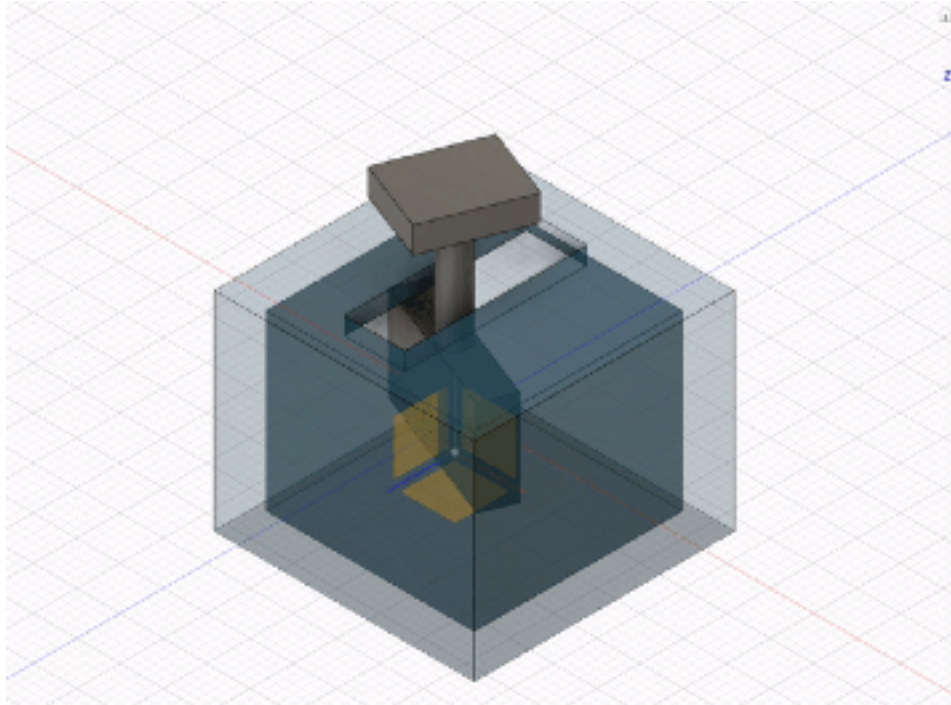


key:1

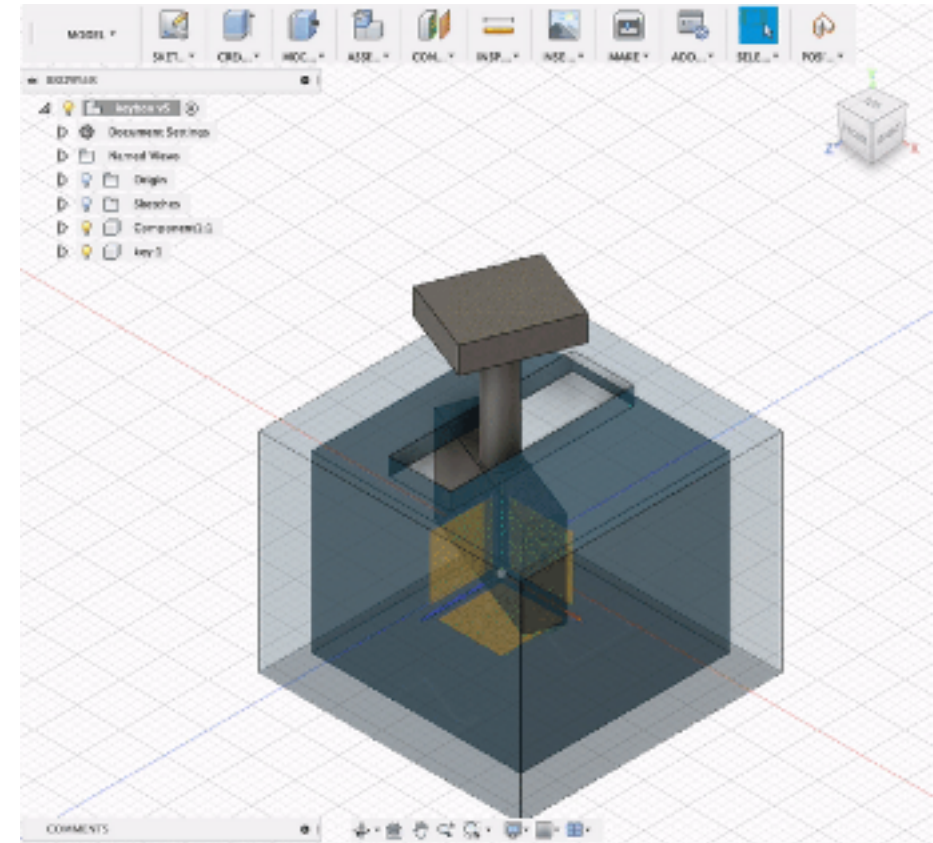


COMMENTS





Planning Phase



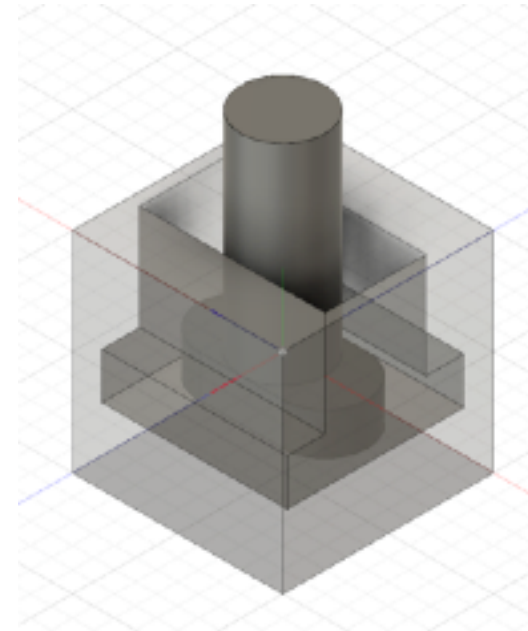
Execution

A Star Planning and Execution

Representation Learning of Assembly Paths

- Can we learn more about the assembly from motion plan?
- Use the information we threw away !
- Recognize Salient Features of the motion plan
- Segment it into Primitive Assembly Operations

Key Operation



Free



Insert



Twist

How to learn the salient features?

Variational Inference