

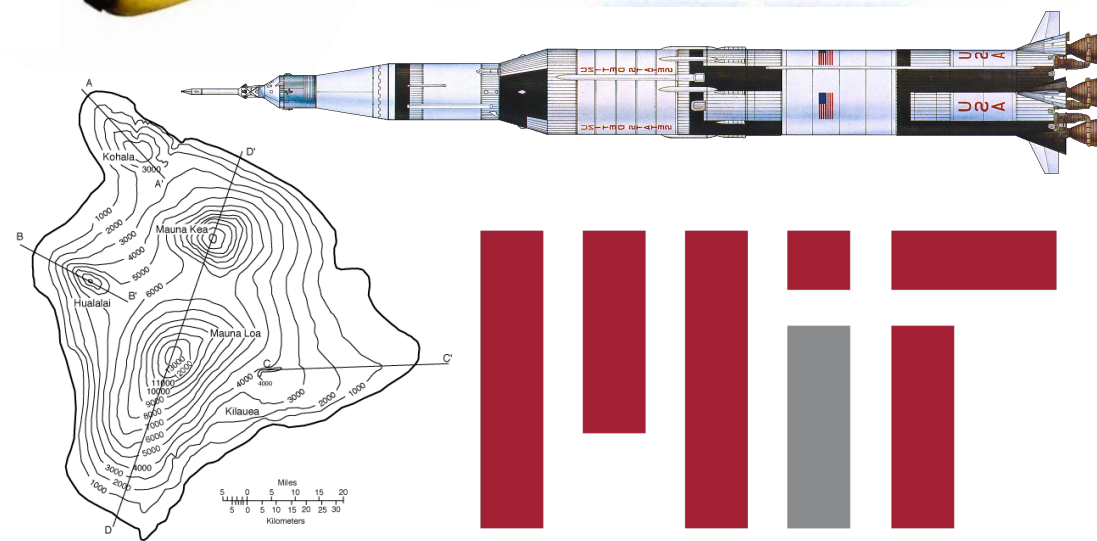
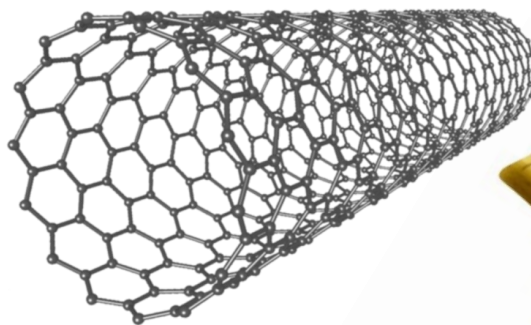


# How to CAD almost anything!

MIT IAP 2024

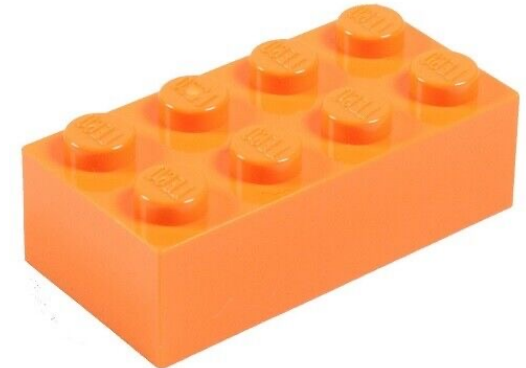
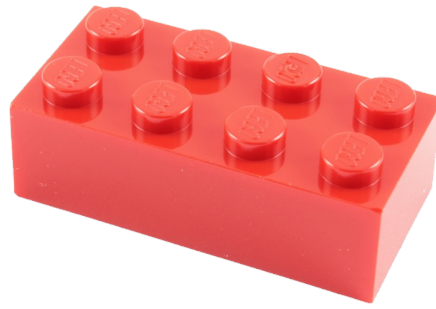
Instructor: Andy Eskenazi

Session 6



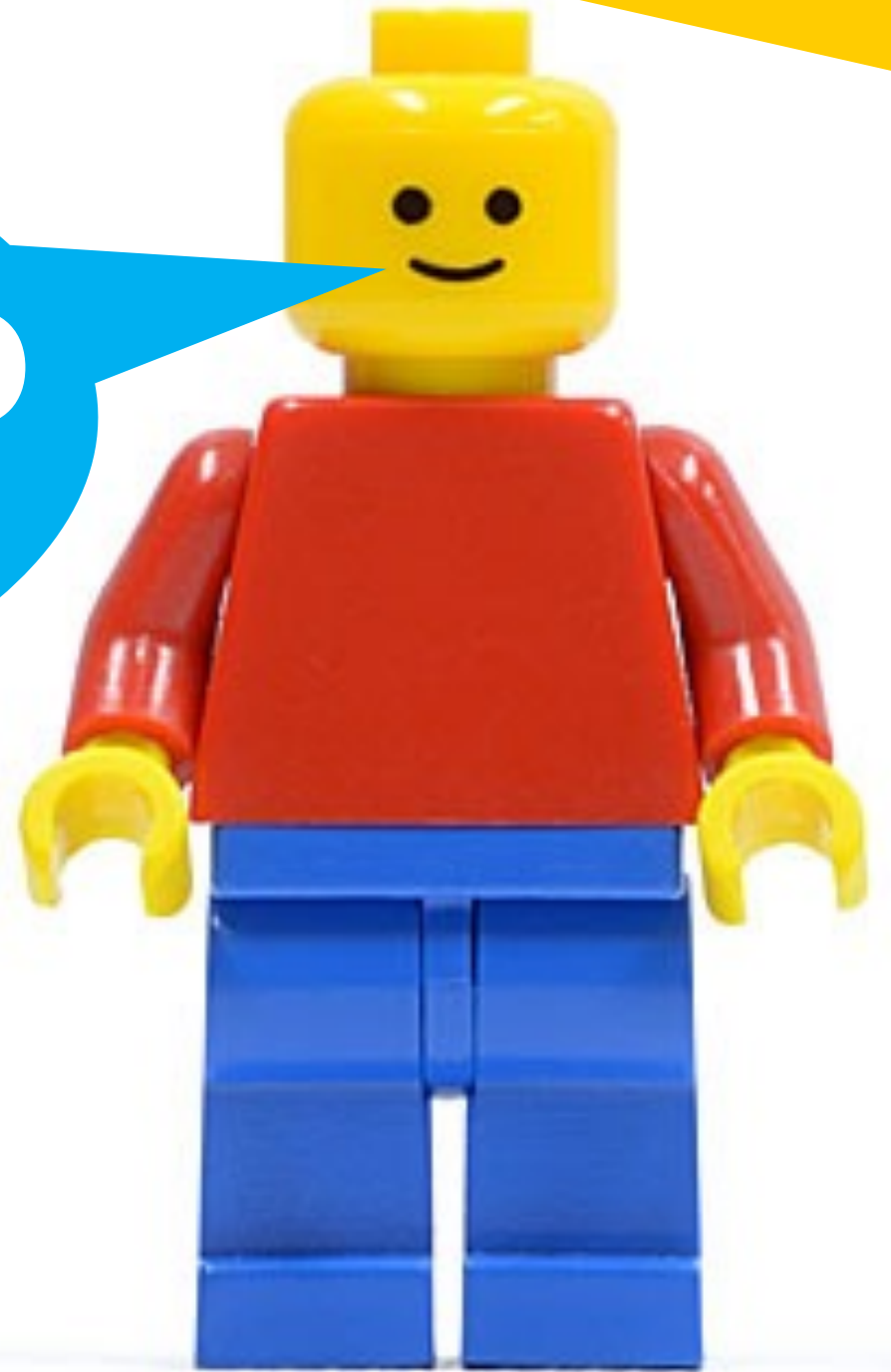
# Agenda

- Questions?
  - Anything remaining from Session 5?
- Session 6:
  - Demo of the session's solidworks commands: *assemblies, exploded view, animations*
  - Demo of projects: Lego 2x4 block, Lego 20x20 plate, Lego minifig, Lego house!
- Questions?
- Preview of Session 7

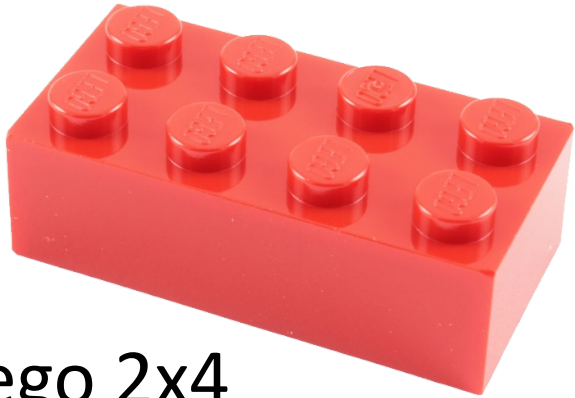


# Questions?

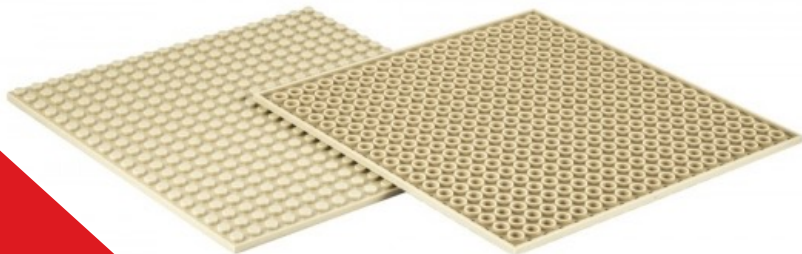
Anything lingering from Session 5?  
Any particular thing you'd like me to  
review again?



# Session 6



Lego 2x4  
block



Lego 20x20 plate



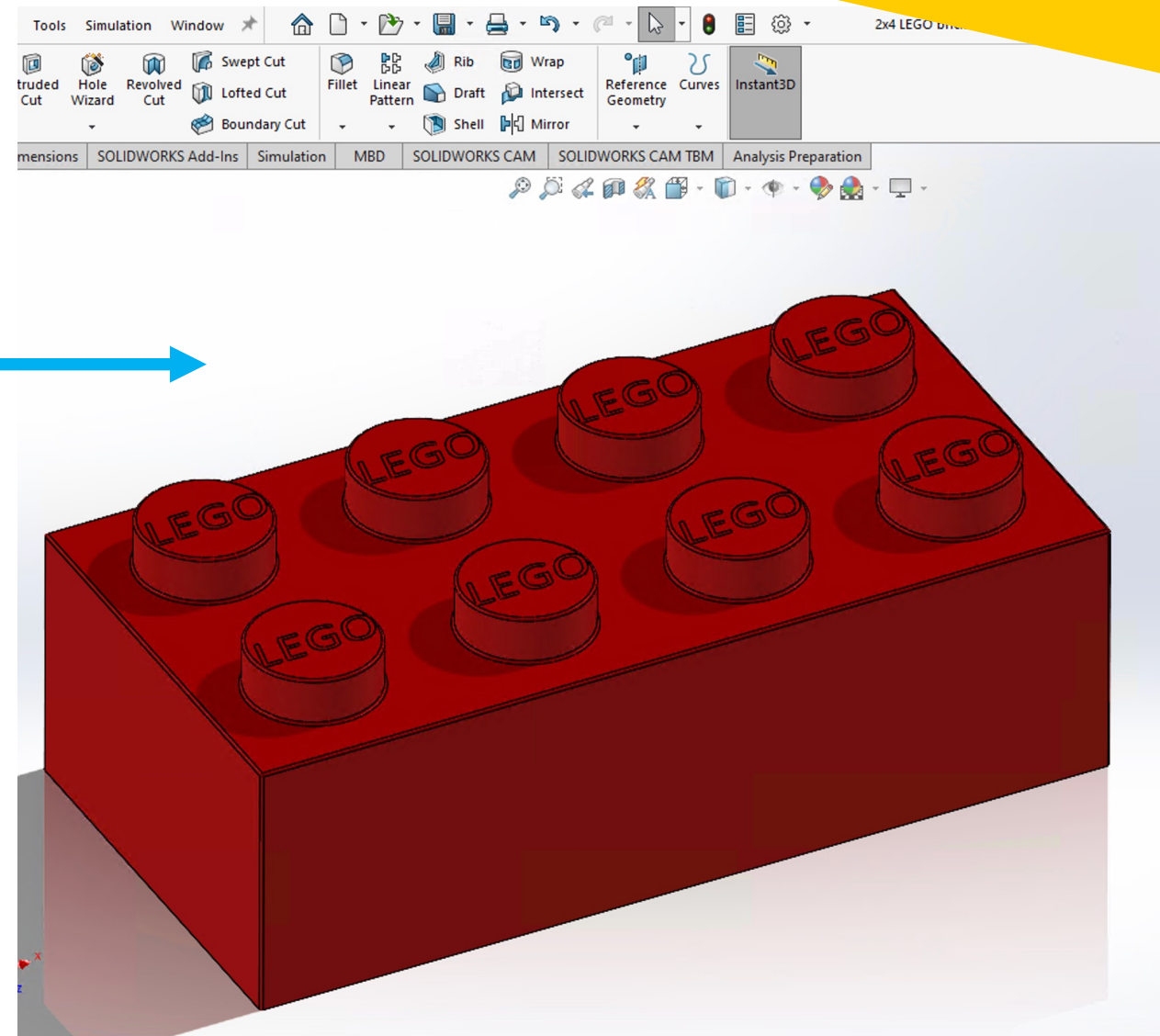
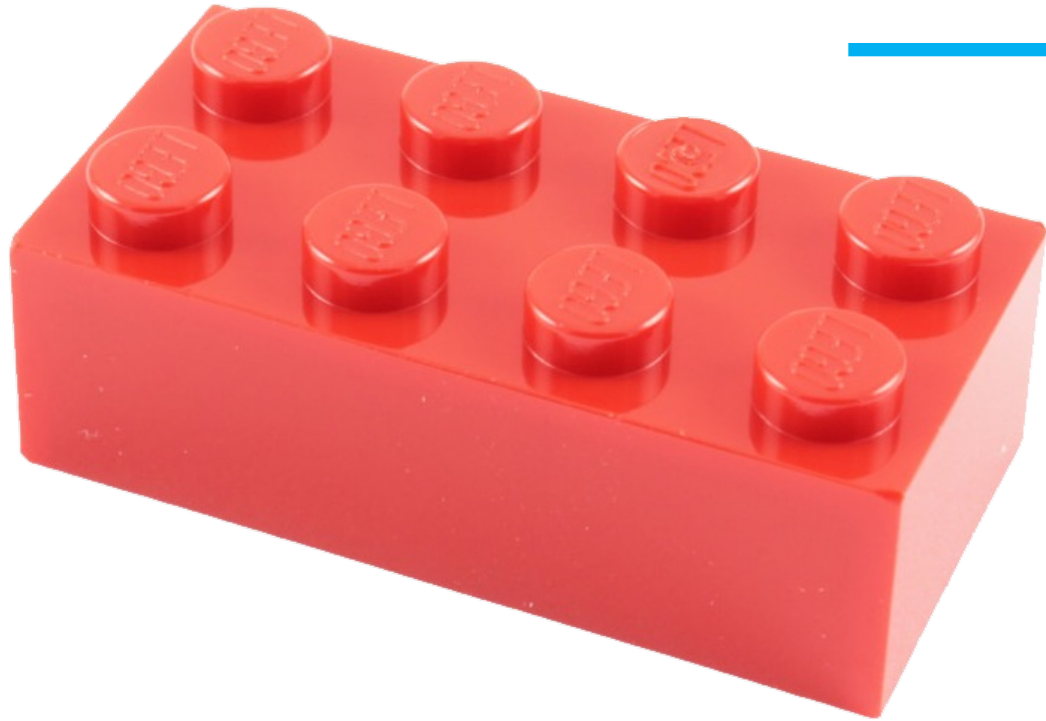
Minifig



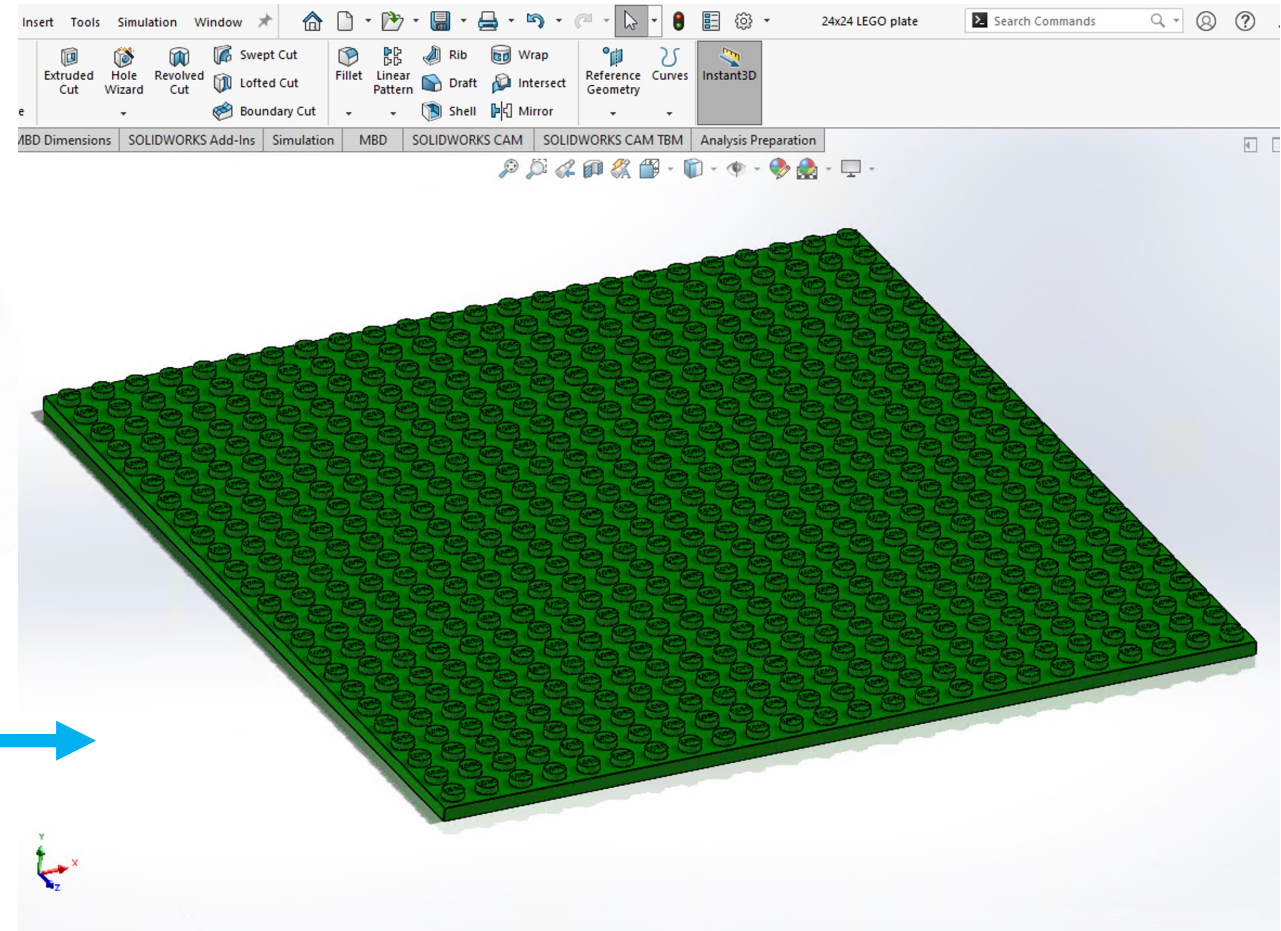
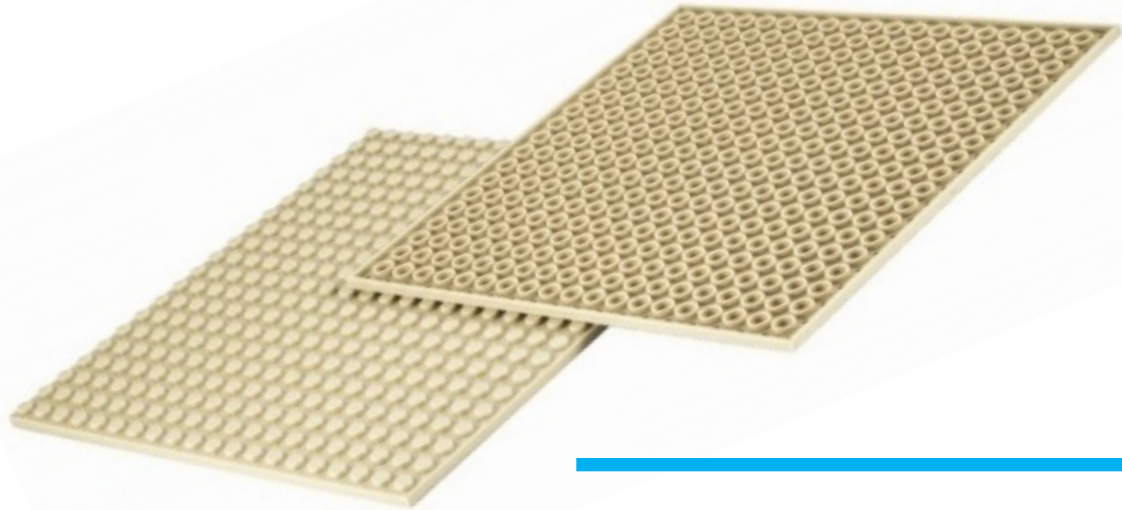
Lego house!



# Lego 2x4 block



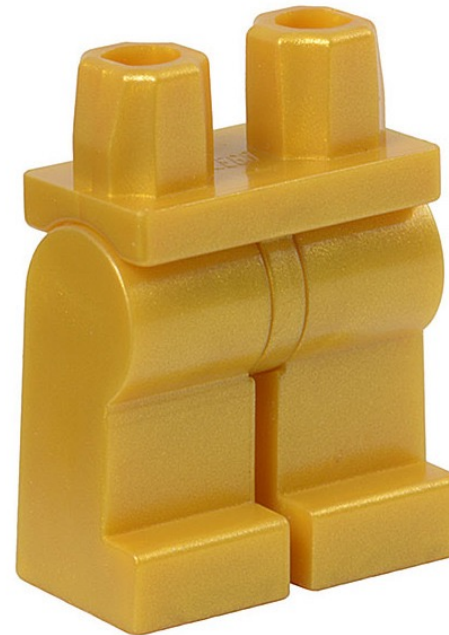
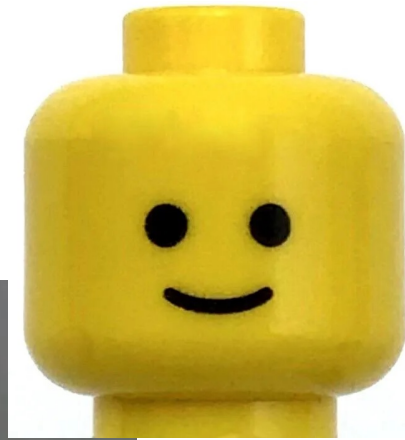
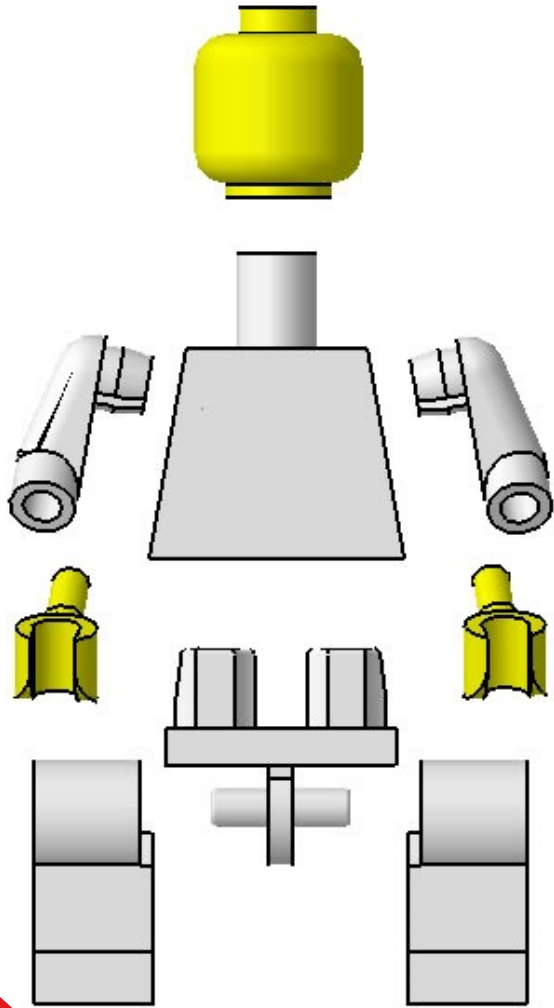
# Lego 20x20 plate



\*I decided to CAD a 24x24 plate in the end since it would make building the house a bit easier!



# Lego minifig

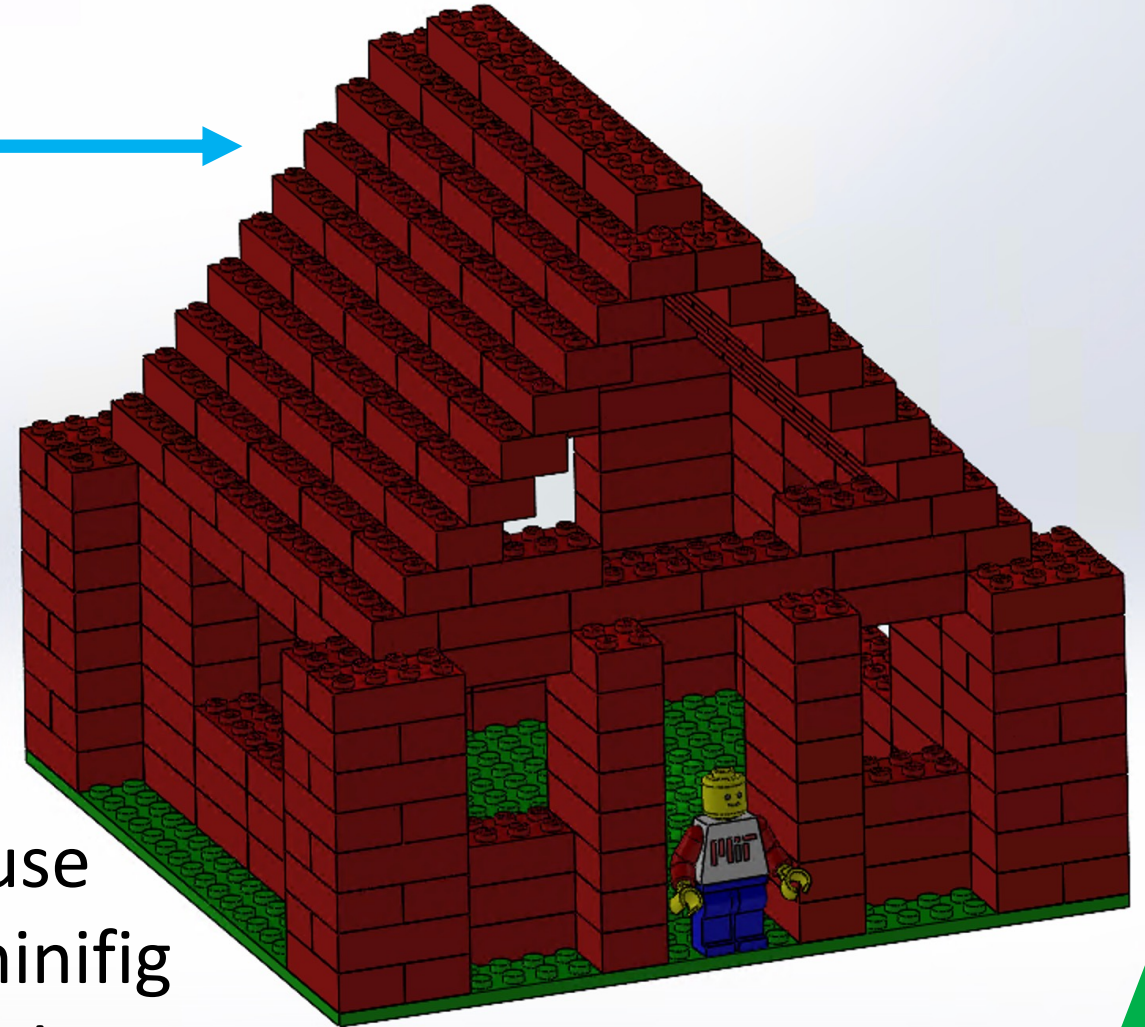
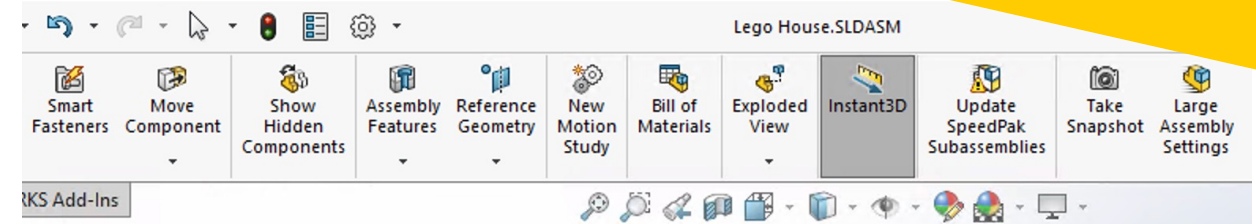


## “Dimensions”:

- Legs: 2x2x1
- Torso: 2x2x1
- Head: 1x1.5x1

Key: use dimensions from standard 2x4 block!

# Lego house



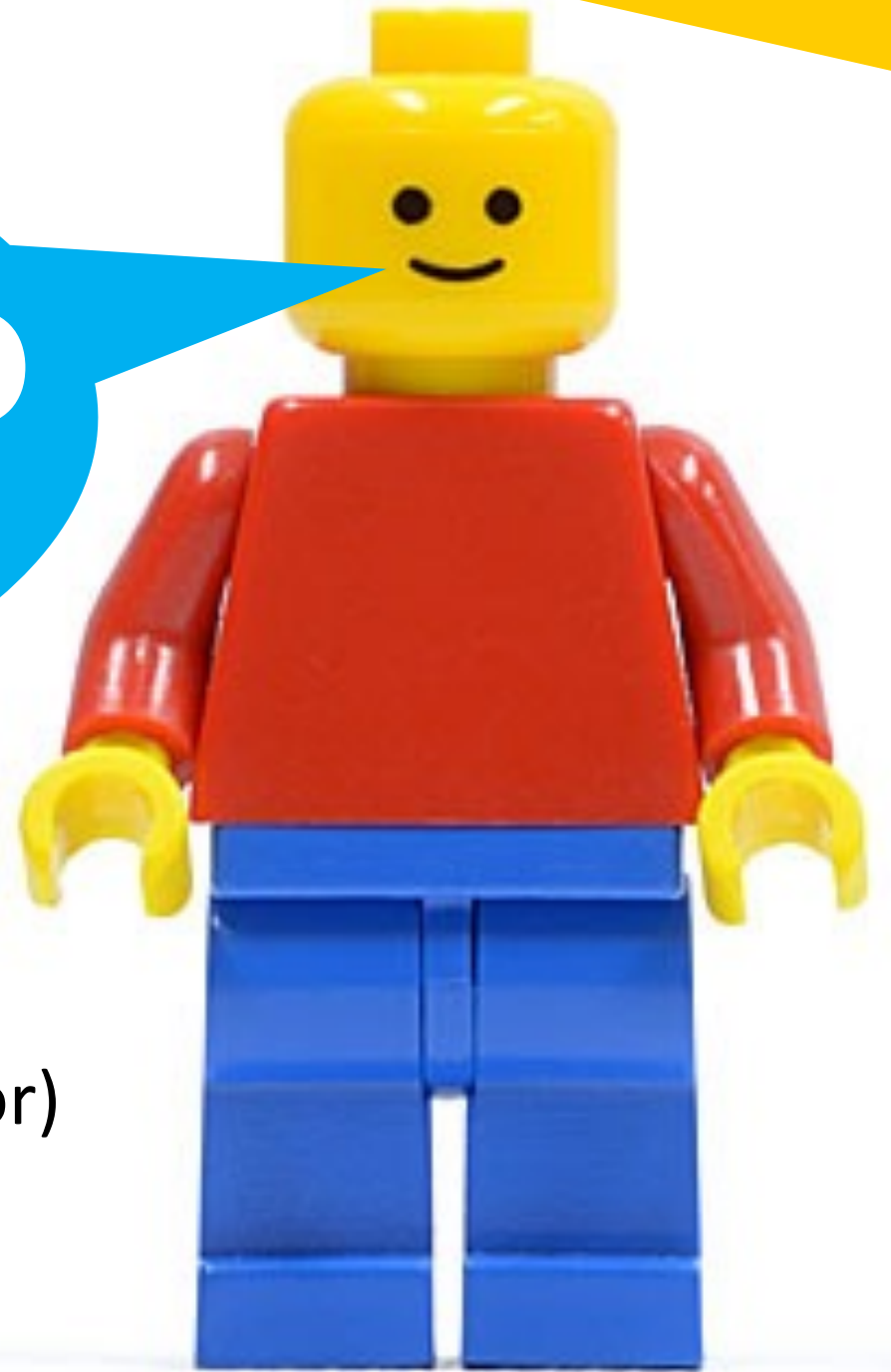
LEGO House  
with its minifig  
inhabitant!



# Questions?

Office Hours:

- Wednesdays @ 2:30pm (GIS Lab)
- Sundays @ 2:00pm (Rotch main floor)



# Preview into Session 7



Set of 6 screwdrivers



Set of 4 drones