





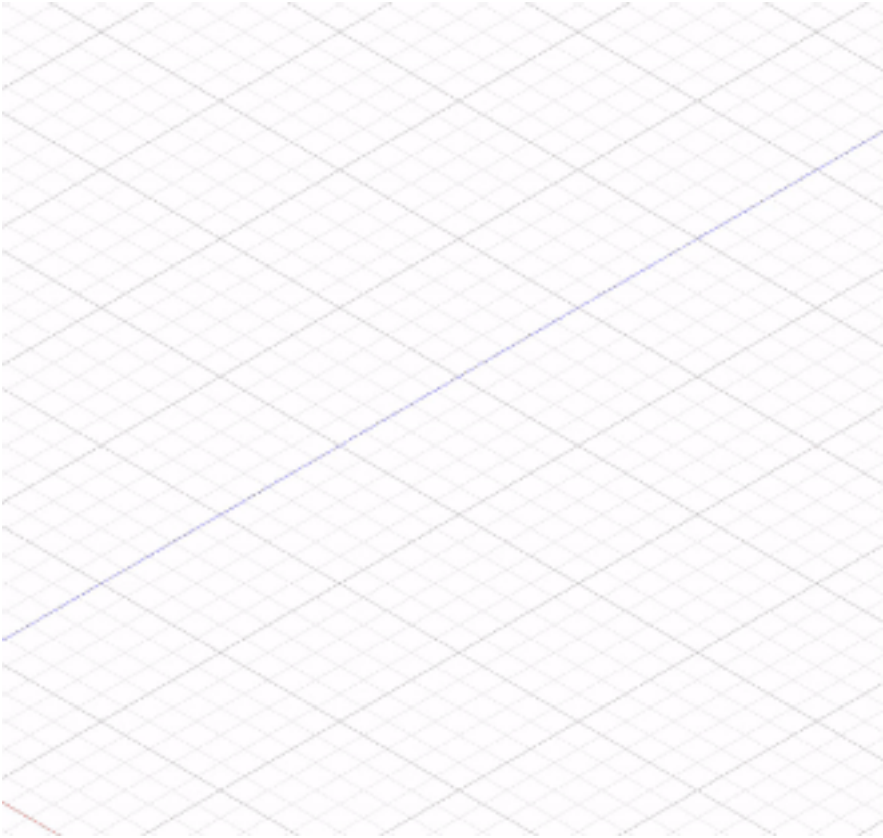
AUTODESK.

RESEARCH

CAD Driven Robotic Assembly



# Adaptive Robot Code Generation From CAD



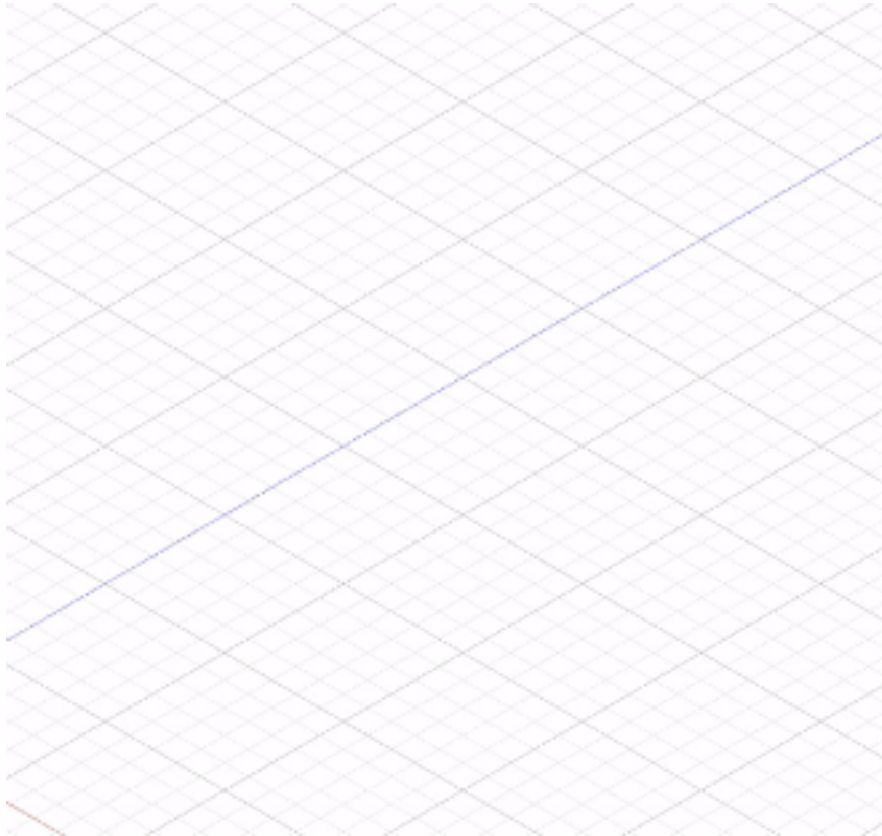
## CAD Assembly has

- Geometry of parts
- Location and Orientation in assembled state

## Robotic Assembly Needs

- Motion Plan for Each Part
- Robot Code that executes the plan





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# Assembly Motion Planning

## Inputs

- CAD Assembly Fusion 360
- Assembly Sequence

## Procedure

- Dis-assembly one part at a time
- Record Path

