

# Next Steps

## Data Representation

### Image Based Approach

- Consistent data format for all planar mechanisms
- Intuitive approach to apply constraints
- Benefits of Data Bucketing
- Leverage Established Deep Learning Architectures

## Architectural

### GANs

- Better Reconstruction Quality for Images

### Attribute Vectors

- Better Manipulation of Inputs

### Attribute Vectors

- Better Manipulation of Inputs

## Domain

### MultiDOF

- Type Synthesis
- Workspace Specification

### Spatial Mechanisms

- Scaling the approach in three dimensions

# Image Based Approach

- 2D Array of Discretized Information
- Specify Information in an Intuitive Way
- lets you apply constraints which are hard to specify **mathematically consistent** manner
- Ex. Restriction on Swept Volume

