

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

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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

