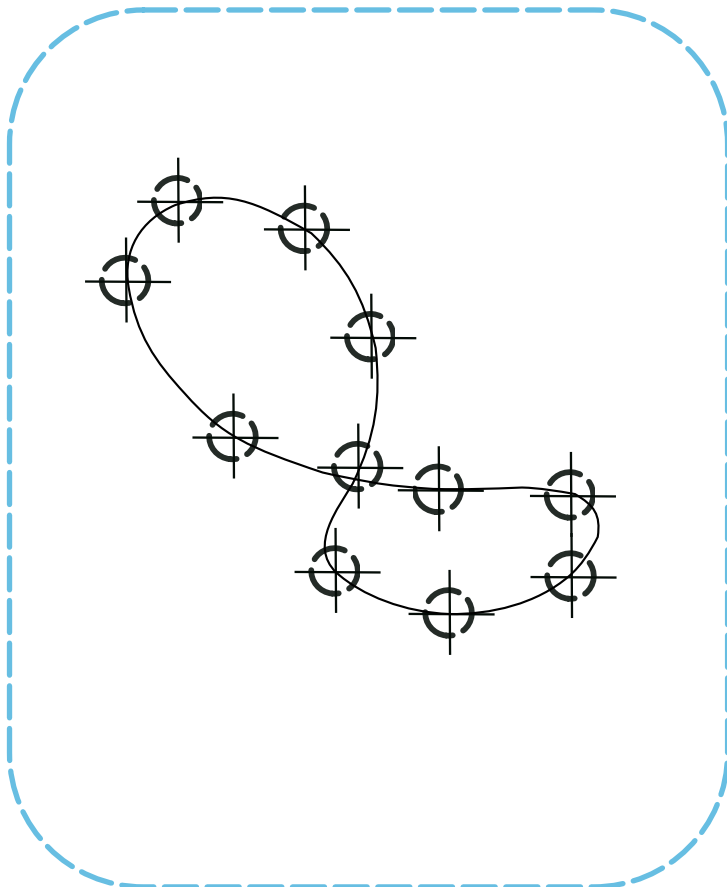


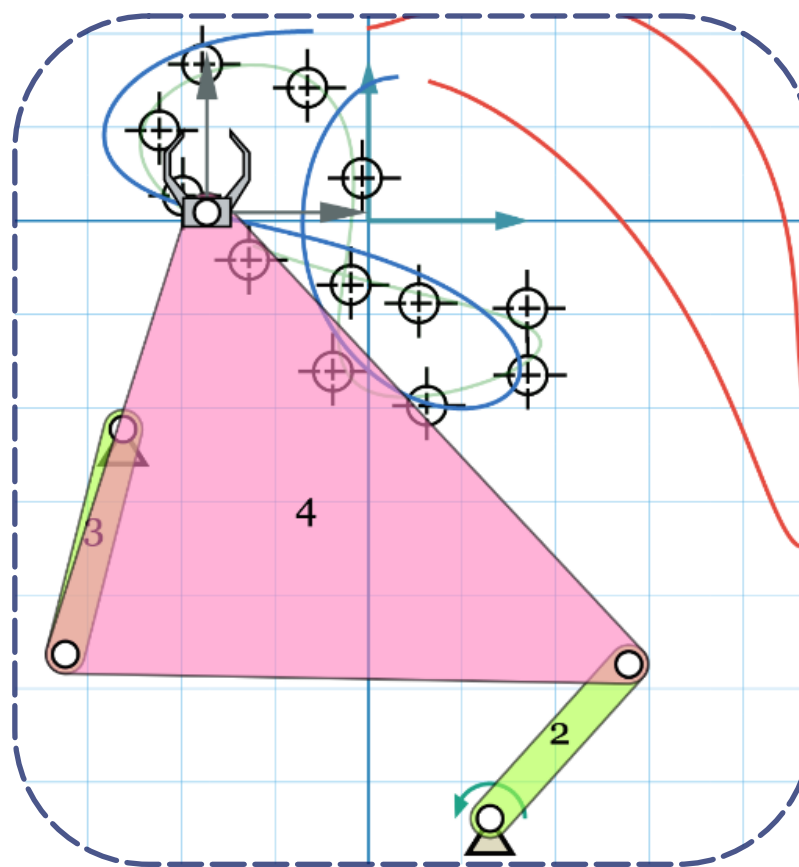
# Variational Synthesis

- Finding Solutions to Variational Input, Post processing of outputs to gather distinct solution concepts
- Each concept is probability distribution of linkage parameters that pertain to same family of mechanisms

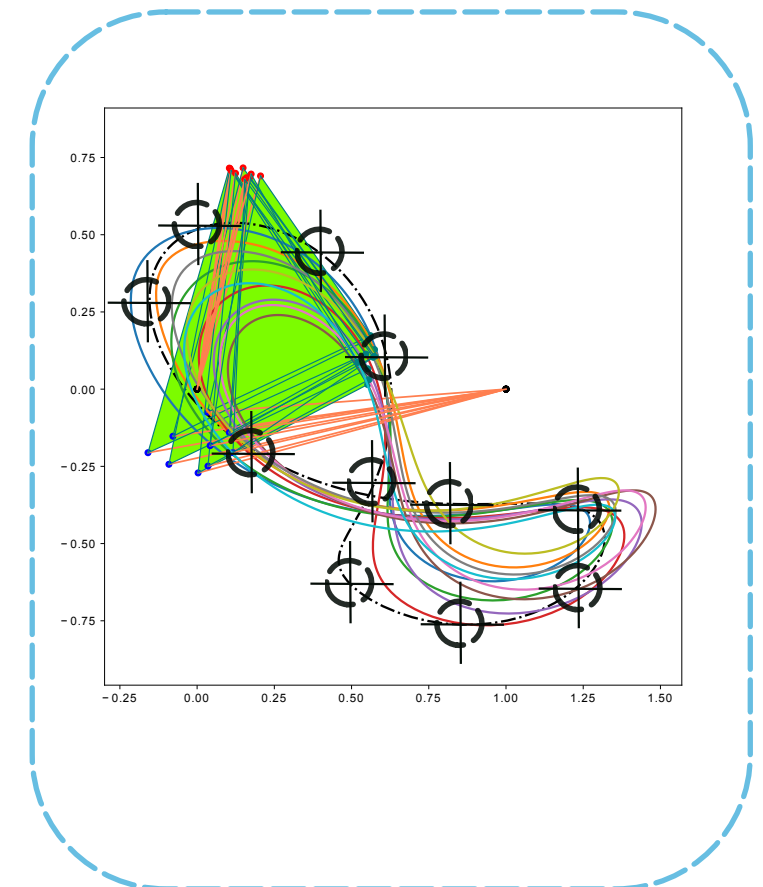
Untimed Samples From Path



Fourier Based Result



C-VAE-L10 Output



# Generative Model

- Variational Auto Encoder (VAE) and Conditional VAE (C-VAE)
- Number of parameters significantly smaller than the amount of data we train them on
- Models are forced to discover and efficiently internalize the essence of the data in order to generate it.

**“What I cannot create, I do not understand.”**

*– Richard Feynman*