

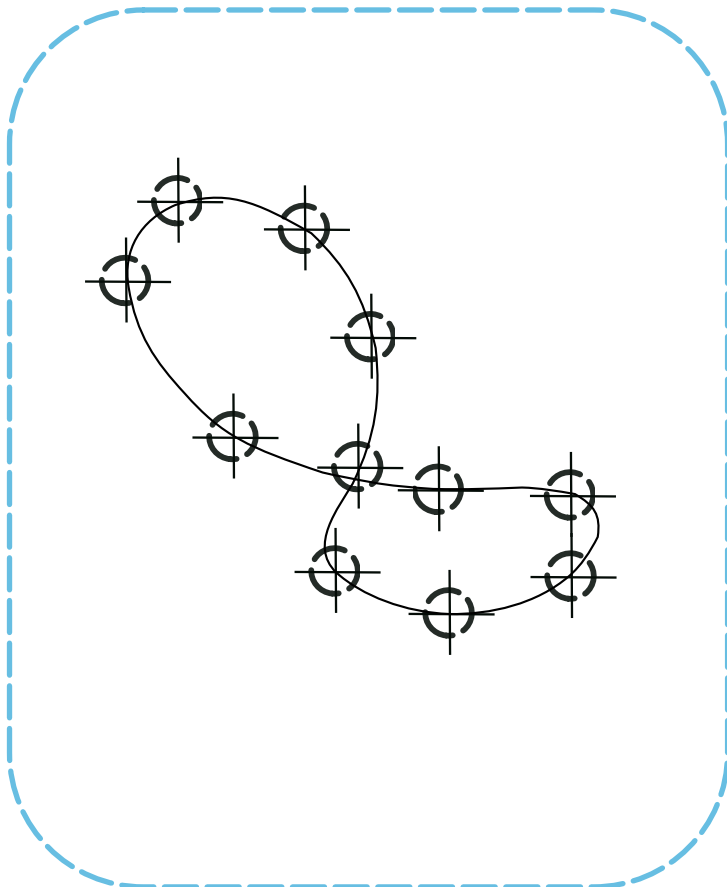
Variational Input

- Common Approach is to change the input randomly within a tolerance range
 - Combinatorial Optimization (NP Hard)
- Informed Modifications on Input
 - Requires knowledge about the properties of coupler motions (or paths) of planar linkages.

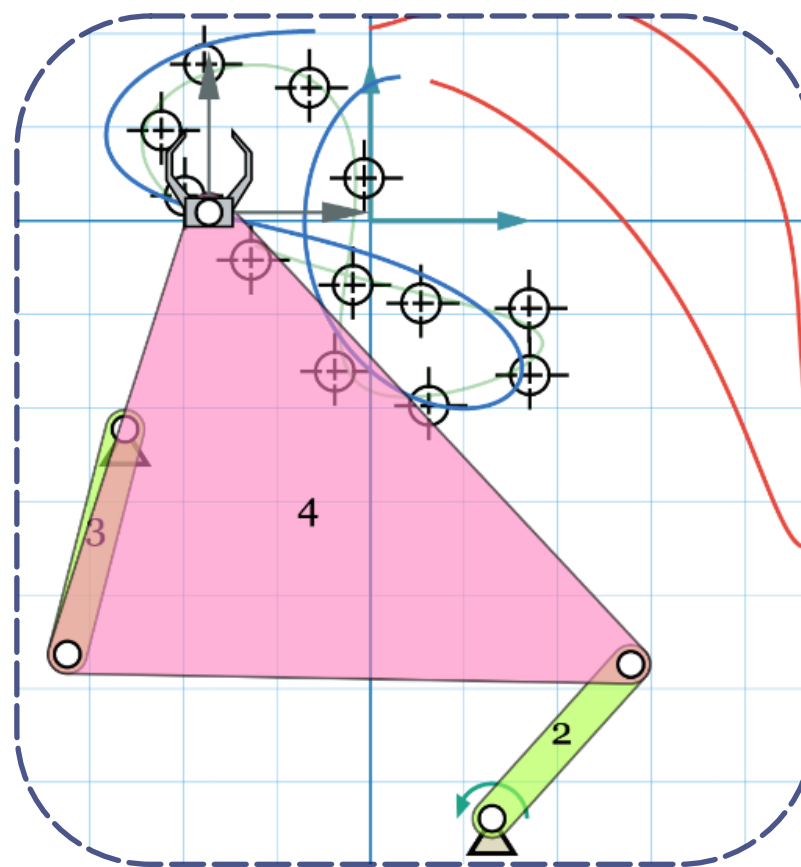
Variational Synthesis

- 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

