

Limitations of Fourier Descriptor Approach

- Only Defined for Four-Bar with Revolute Joints
- Restrictive Objective
 - Mathematically Optimal Solution may not be practically optimal
 - discards a large proportion of numerically sub-optimal solutions with desirable properties

Variational Input

- Changes in input which are insignificant to user but are significant for solver
- Common Approach is to change the input randomly within a tolerance range and hope to get good result
 - Combinatorial Optimization (NP Hard)
- Need for Informed Modifications on Input
 - Requires knowledge about the properties of coupler motions (or paths) of planar linkages.