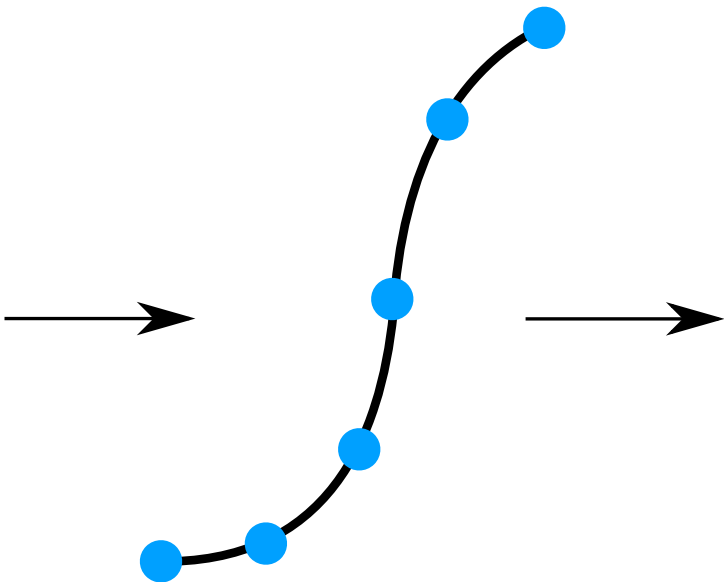


Task of Moving Hip From Sit to Stand In Natural Motion

Representation
suitable for Solvers



**Requires Understanding
the task and solver needs**

Computational Solver

Mechanism Design

**Most Prior Research
Focused on**

Critical in Practice



1. Precision Points

2. Fourier Curve Fitting*

3. Geometric Constraints

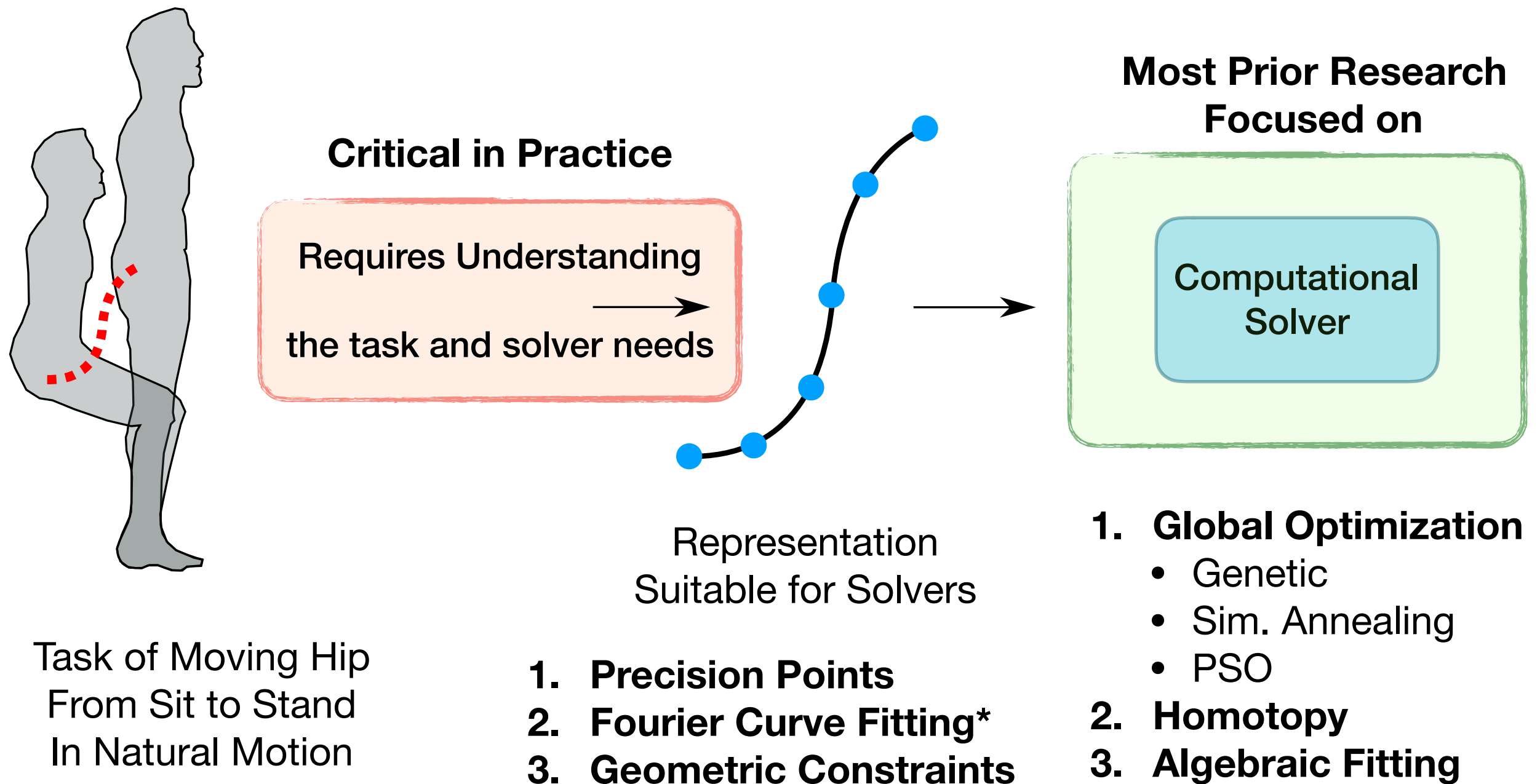
1. Global Optimization

- Genetic
- Sim. Annealing
- PSO

2. Homotopy

3. Algebraic Fitting

Mechanism Design



Synthesis Frameworks

