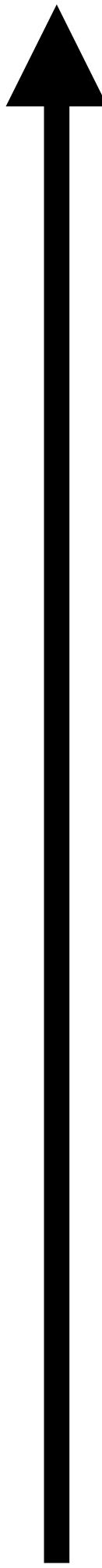
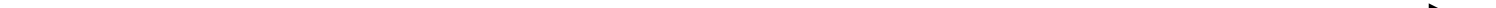
Synthesis Frameworks





Computational Efficiency

Overall Effectiveness

(Robust Prolificacy, Practical Considerations, Useful Solutions)

Desired Region

FD Based Path Generation

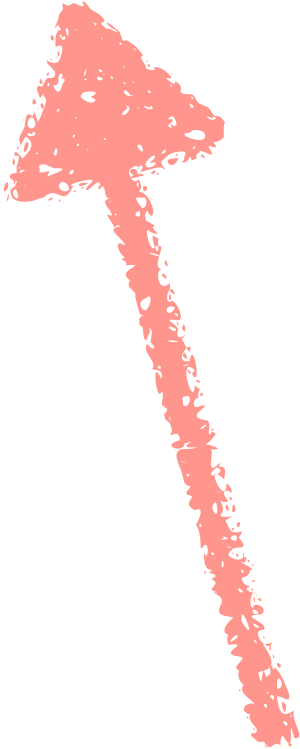
Algebraic Fitting for Classical Burmester Problem

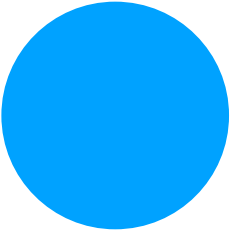
2

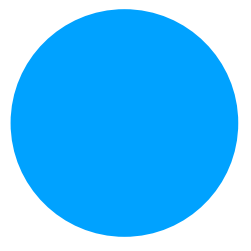
2 = Clustered Database Query Approach (JCISE’19)

1 = Extended Burmester Problem (JMR’17)


3







3 = AI Assistant

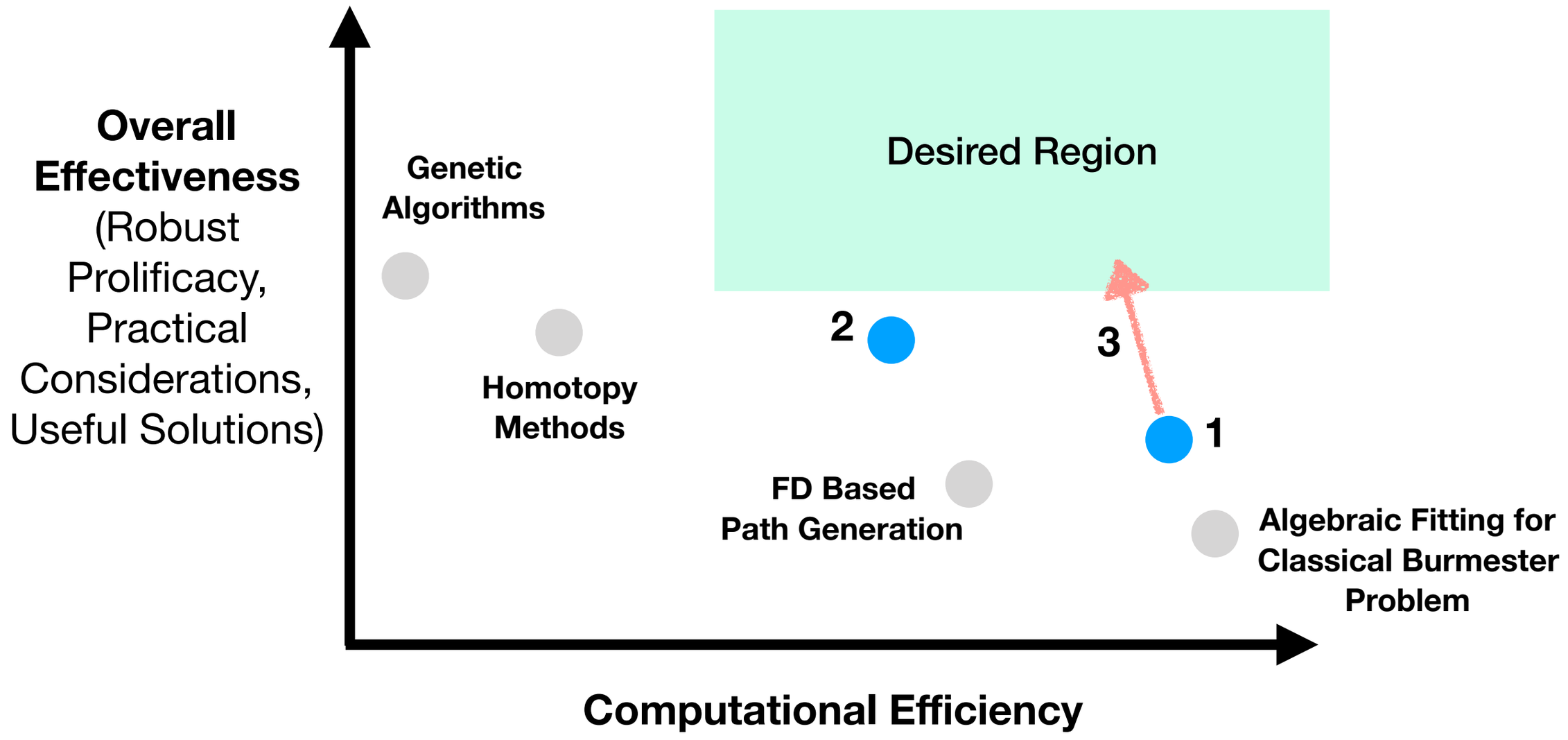
IDETC 19

(Submitted to JMD'19)

Genetic Algorithms

Homotopy Methods

Synthesis Frameworks



1 = Extended Burmester Problem (JMR'17)

2 = Clustered Database Query Approach (JCISE'19)

3 = AI Assistant IDETC 19 (Submitted to JMD'19)

Proposed Framework