Evolutionary Multi-Objective Optimization Algorithms

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Motivation

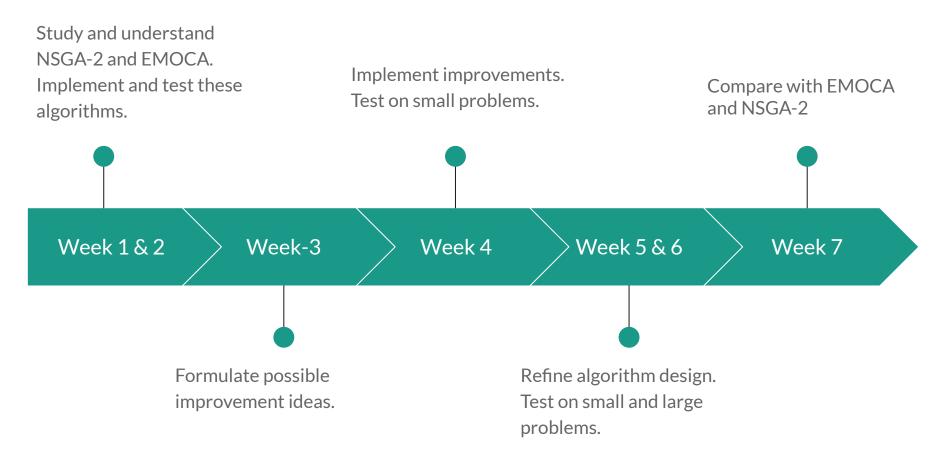
Evolutionary algorithms (EAs) -> Well-suited for optimization problems involving several, often conflicting objectives.

Evolutionary approaches to multiobjective optimization have been developed that are capable of searching for multiple solutions concurrently in a single run.

Goal

To develop and implement a new multi-objective evolutionary algorithm, and compare it with NSGA-2 (Non-dominated Sorting Genetic Algorithm II) & EMOCA (Evolutionary Multi Objective Crowding Algorithm).

Research Plan & Flow



I look forward to putting my best effort to obtain reasonably good results in my research!

Thank you!