

The diagram illustrates the search space landscape for two optimization methods: Genetic Algorithm (GA) and Differential Evolution (DE). It shows three vertical columns representing different stages: Initialization, GA, and DE. Each column depicts a landscape with a narrow green valley at the bottom, representing the target function, and a wider pink plateau above it, representing the search space. In the 'Initialization' stage, a black dot marks the starting point. In the 'GA' stage, a red dot indicates the current solution, which is located near the bottom of the green valley. In the 'DE' stage, the red dot has moved closer to the bottom of the green valley, indicating progress towards the optimal solution.

Target

GA

DE

Initialization

Iteration
Direction

Optimal
Solution