

Title: Multiobjective optimization evolutionary algorithms Based Decomposition

Multiobjective optimization can be found in many real-life applications. Multiobjective optimization evolutionary algorithms (MOEA) have been widely accepted as a main methodology for dealing with multiobjective optimization. Multiobjective optimization evolutionary algorithms Based Decomposition (MOEA/D) is one of the three major MOEA frameworks. Over the last ten years, MOEA/D has received much research effort from the evolutionary computation community. Many successful applications of MOEA/D have been reported. In this talk, I will explain the motivation, ideas and basic components in MOEA/D. I will also show how other traditional optimization methods and heuristics can be integrated into MOEA/D framework.