Toward an Efficient Exploration of Fitness Landscapes

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Auteur	Basseur, Matthieu [1], Goëffon, Adrien [2]
Mots-clés	Local search [3], fitness landscape [4]
Résumé en anglais	Within local search algorithms, descent methods are rarely studied experimentally. However, these search techniques are the basis of many modern metaheuristics and have an influence on the ability of an algorithm to achieve good solutions of a fitness landscape. Through a large empirical study of classic runs, we show that certain ideas about descents methods are false. These results indicate that it is possible to make a descent 'intelligent' and lead to better solutions, regardless of the problem addressed.
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