



Tabu Search with Consistent Neighbourhood for Strip Packing

Submitted by Emmanuel Lemoine on Mon, 10/06/2014 - 18:25

Titre	Tabu Search with Consistent Neighbourhood for Strip Packing
Type de publication	Communication
Type	Communication avec actes dans un congrès
Année	2010
Langue	Anglais
Date du colloque	2010
Titre du colloque	23rd International Conference on Industrial Engineering and Other Applications of Applied Intelligent Systems, IEA/AIE 2010
Titre des actes ou de la revue	Trends in Applied Intelligent Systems
Volume	6096
Pagination	1 - 10
Auteur	Gómez-Villouta, Giglia [1], Hamiez, Jean-Philippe [2], Hao, Jin-Kao [3]
Pays	Espagne
Editeur	Springer
Ville	Cordoue
ISBN	978-3-642-13021-2 / 978-3-642-13022-9
Mots-clés	algorithm analysis and problem complexity [4], Artificial Intelligence (incl. Robotics) [5], Computation by Abstract Devices [6], consistent neighborhood [7], Database Management [8], Information Storage and Retrieval [9], Information Systems Applications (incl.Internet) [10], Strip packing [11], tabu search [12]
Résumé en anglais	This paper introduces a new tabu search algorithm for a strip packing problem. It integrates several key features: A consistent neighborhood, a fitness function including problem knowledge, and a diversification based on the history of the search. The neighborhood only considers valid, sometimes partial, packings. The fitness function incorporates measures related to the empty spaces. Diversification relies on a set of historically "frozen" objects. Experimental results are shown on a set of well-known hard instances and compared with previously reported tabu search algorithms as well as the best performing algorithms.
Notes	Date du colloque : 06/2010
URL de la notice	http://okina.univ-angers.fr/publications/ua4459 [13]
DOI	10.1007/978-3-642-13022-9_1 [14]
Lien vers le document en ligne	http://link.springer.com/chapter/10.1007/978-3-642-13022-9_1 [15]

Liens

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Publié sur *Okina* (<http://okina.univ-angers.fr>)