

Solving Container Loading Problems by Genetic Algorithm

李其憲、吳泰熙

E-mail: 9423686@mail.dyu.edu.tw

ABSTRACT

This paper presents a heuristic methods for solving container loading problem. A "bottom-back-left" packing approach with GA is used and we use parallel machine to solve this problem. It can be solving a best solution in acceptable time. This kind of problems is about container of one size and different size. We will compare result with literature. Container loading problems are frequently using in industries such as manufacturing and logistics. We hope our method can make the operation of this problem well, and save more time.

Keywords : container, loading, genetic algorithms, parallel machine

Table of Contents

封面內頁 簽名頁 博碩士論文授權書.....iv	中文摘
要.....v	ABSTRACT.....vi
謝.....vii	目錄.....viii
錄.....xi	表目錄.....xii
論.....1	1.1 研究背景與動機.....1
的.....3	1.2 研究目
構.....4	1.3 研究假設與限制.....3
器.....6	1.4 研究方法與架
法.....6	2.1 長方體物件與長方體容
法.....12	2.2 遺傳基因演算法.....11
解.....17	2.3 平行演算
析.....17	2.3.1 平行運算的概念與發展.....13
率.....20	2.3.2 平行演算
體.....22	2.4 文獻總結.....16
配.....24	第三章 長方體物件堆疊問題求
尋.....27	3.1 問題定義.....17
程.....28	3.2 物件擺放方向的分
流程.....31	3.3 遺傳基因演算法(GA).....19
驗分析.....34	3.3.1 使用
參數實驗.....36	3.3.2 編碼.....21
析.....38	3.3.3 染色體數與產生母
論.....40	3.3.4 育種池.....23
獻.....44	3.3.5 交
	3.3.6 突變.....26
	3.4 第二階段的深度搜
	3.5 終止條件.....28
	3.6 遺傳基因演算流
	3.7 平行遺傳基因演算法.....31
	3.7.1 平行遺傳基因演算法
	第四章 演算結果與分析.....34
	4.1 平行遺傳基因演算法實
	4.1.1 遺傳基因演算法實驗參數.....34
	4.1.2 第二階段演算法之
	4.2 執行結果與分析.....37
	4.2.1 單一容器執行結果與分
	4.2.2 多種尺寸容器執行結果與分析.....39
	4.3 加速因子分
	第五章 結論.....42
	5.1 結
	5.2 建議.....43
	參考文
	附錄.....48

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