# Planing Robotic Assembly Using Mating Condition Analysis


## 胡永清、黃開義

E-mail: 8301243@mail.dyu.edu.tw



**ABSTRACT**

This paper presents a method for the generation of robotic assembly sequences. By using mating condition classification as a medium , the problems of robotic assembly planning have been reconsidered. Two matrices such as interference matrix and mating matrix are being used and an algorithm is being developed for the generation of all feasible disassembly sequences. By reversing the disassembly sequences , all feasible robotic assembly sequences are thus generated.



Keywords : Robotic Assembly Planning ; Mating Condition ; Algorithm ; Dynamic Programming


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