URN etd-0407109-183705-331
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Statistics This thesis had been viewed 57 times. Download 0 times.
Department
Year 2007
Semester 1
Degree Master
Type of Document Master's Thesis
Language zh-TW.Big5 Chinese
Title Analysis and implementation on the 3D Printer System by Using Inkjet Printing Module
Date of Defense 0000-00-00
Page Count 100

Keyword
Rapid Prototyping
Inkjet Printing Module
3D Printer System

Abstract
Materializing model objects has a wide range of applications in toy models, industrial modules, industrial designs, building miniatures and art works to name a few. All these are diversified and complex in shapes. Their three-dimensional outlooks are usually completed by using the computer assistance (CAD) design or reverse engineering. The traditional processing technology is unable to achieve the complex 3D outlook processing.
The rapid prototype (RP) technology unifies entity manufacture technology CAD and the layered processing. The computer design model was sliced into layers, and the prototype models are obtained via laminated working.
This research uses commercial printing inkjet Printing Module. This setup is capable of completely converting itself into 3D Printer shaper. It receives PC series printing commands, cuts the level contours and forms the prototype layer by layer with the help of glue and foaming materials according to preset layer thickness
Advisory Committee Yih-Ran Sheu - advisor

Files No Any Full Text File.
Date of Submission 2008-08-11