# X-Y 平台運動軌跡之研究

# The Application of X-Y Table Motion Trajectory

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## Abstract

The popularization of PC has reduced its prices to an acceptable level. The high-speed computation of a PC, it's able to analyses the amount of signals which are captured from the local PLC. This paper desired to design operation interface through the LabVIEW (Laboratoy Virtual Instrument Engineering Workbench) that the computer connect with X-Y table. The X-Y table draws the specified motion trajectory by the graphics operation interface. The purpose of this paper is study various motion trajectory. First, this paper designed a human-machine interface by LabVIEW which the PC operate X-Y table through the interface of LabVIEW. The operator can choose track command and set appropriate parameter draw the track that the interface specifies on the platform. Finally, some experimental results of the contour tracking demonstrate the validity of the proposed design for practical applications.

關鍵字：X-Y 平台;可程式控制器

Key words：X-Y table;PLC;LabVIEW