

# Analysis and Control for a Robotic Wheelchair Climbing Spiral Stairs

張余丞、陳俊達

E-mail: 9901179@mail.dyu.edu.tw

## ABSTRACT

In this paper, the robot Wheelchair extended research which developed by the laboratory. Using LabView as the development platform to implement wheelchair robot controller program and the wheelchair movement control interfaces. LabView issues the commands, via Ni-Motion card, to control the robot Wheelchair movements of forward / backward and stair climbing while via TCM electronic compass, to study and analyze the spiral stair surfaces.

Keywords : Robot Wheelchair ; LabView ; TCM electronic compass

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