A Novel Extremity Balance System-Design and Manufacturing 陳振文,謝豪昇,陳逸咸,吳仕銳,邱利安 Communication Engineering Engineering jwchen@chu.edu.tw

Abstract

Integrating the Hall sensors to the extremity balance system of exercise and rehabilitation bicycles was developed and examined in detail. We have accomplished and manufactured a complete system which is user friendly, multi-functional, highly stabilized and inexpensive.

Keyword: Extremity Balance System; Bicycle; Hall Sensor; Rotation; Positioning; Synchronization