Application of Serial Transmission Ports of LabVIEW Data Communication in Teaching

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Abstract

Writing programs with LabVIEW (Laboratory Virtual Instrument Engineering Workbench) graphical programming software is one of the important lessons for university students in electrical and mechanical courses in learning interface system integration. In order to combine the curriculum with the current industrial technology, the course proposed in the study uses LabVIEW data communication to control the components so that the I/O control experiment on serially data input and output may be completed. Students may learn new control technologies and software-hardware system integration of human machine interface. This will enable achievement of the desired outcome of LabVIEW teaching programs and enhance the students' competitive advantage in the future.

Key words：Human machine interface;

LabVIEW graphical programming software