

A Problem Based Learning Scenario Example for Control Education in Electrical-Electronics Engineering Programs

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Abstract

The problem based learning is an active learning strategy which has been implemented in engineering education either in a program fully structured as a sequence of staged modules or in a part of the courses found as suitable to this learning strategy. The paper presents an evaluation of the experience of implementing a scenario in a control analysis module in an electrical-electronics engineering program which had conducted problem based learning for 6 years as the main strategy in its entire undergraduate program. The conclusions on the use of such a problem based scenario in a control module and possible applications in a control course within a classical program are also given in the paper.