




[Home](#) > [Vol 6, No 2 \(1999\)](#) > [Droschl](#)

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A Case Study on the Application of PVS to Requirements Analysis

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Abstract

This paper presents the results of a formal methods case study in which the Prototype Verification System (PVS) has been used for requirements analysis of one module of a physical access control system. PVS is a tool for writing formal specifications and constructing proofs. Previously, the same requirements have been analyzed by means of testing supported by the IFAD Toolbox for VDM-SL. The capabilities of the two formal methods are compared.

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