Training with the KS 94

KS 94 application

Practical training

Simple implementation of exercises

Effects of control techniques easily understood

Fast configuration of different control modess

AREAS OF APPLICATION

Control-technology textbooks, Training with KS94, Exercises about effects of control techniques

DESCRIPTION

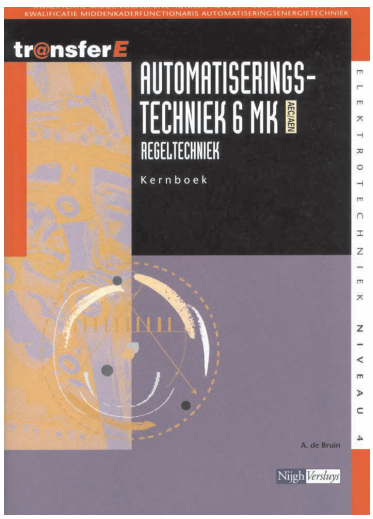
The regional education centers R.O.C. in The Netherlands have selected the KS 94 for their basic technical training in measurement & control technology. This means that some 90% of all students attending the Electro Technology and Automation courses will be familiar with the PMA controller.

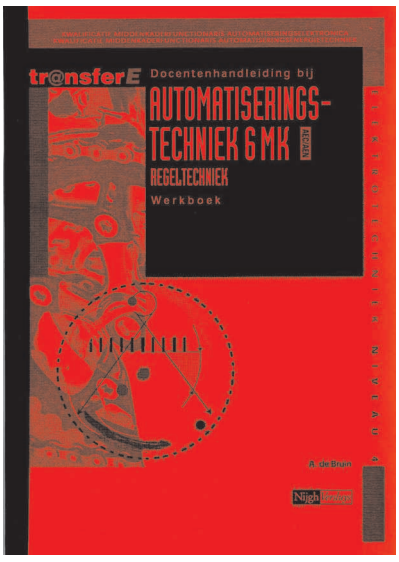
Meanwhile, more than 40 of the KS 94 controllers have been purchased by the training centers. Instructors and teachers are very satisfied with the experience gathered so far. They regard the use of the controllers as an important improvement: „It's a significant step forwards after many years with the old-fashioned way of teaching control technology".

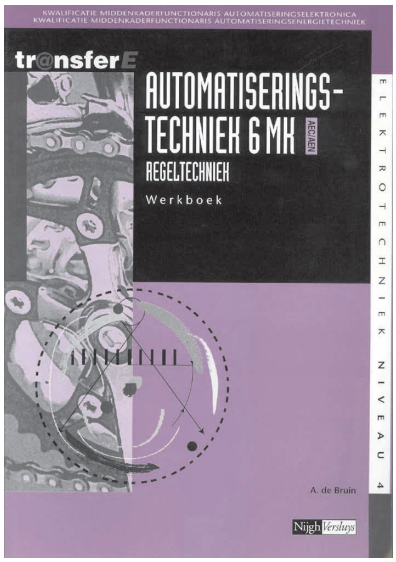
Three accompanying textbooks have been printed by the publishers Nijgh Versluys. The textbooks make full use of the features and display options of the KS 94 Engineering Tool and the KS 94 Simulation Tool, the latter in particular for trend displays to visualize different control responses. Moreover, the control loop integrated in the Simulation Tool allows experiments with various control strategies during training.

IMPLEMENTATION FEATURES

The instruction material consists of three parts. The textbooks contains basic information on control technology. The two parts of the manual introduce the KS 94, the Engineering Tool ET/KS 94, and the Simulator SIM/KS 94. Students are given a detailed introduction to the application of the KS 94 tools.
The influences of plant characteristics and control parameters are explained, together with everal configuration examples on the Simulator. Numerous trend displays provide useful visualization. Practical exercises with the Simulation Tool or with a real controller enable the processes described in the textbook to be understood; a method that is equally transparent for students and instructors.







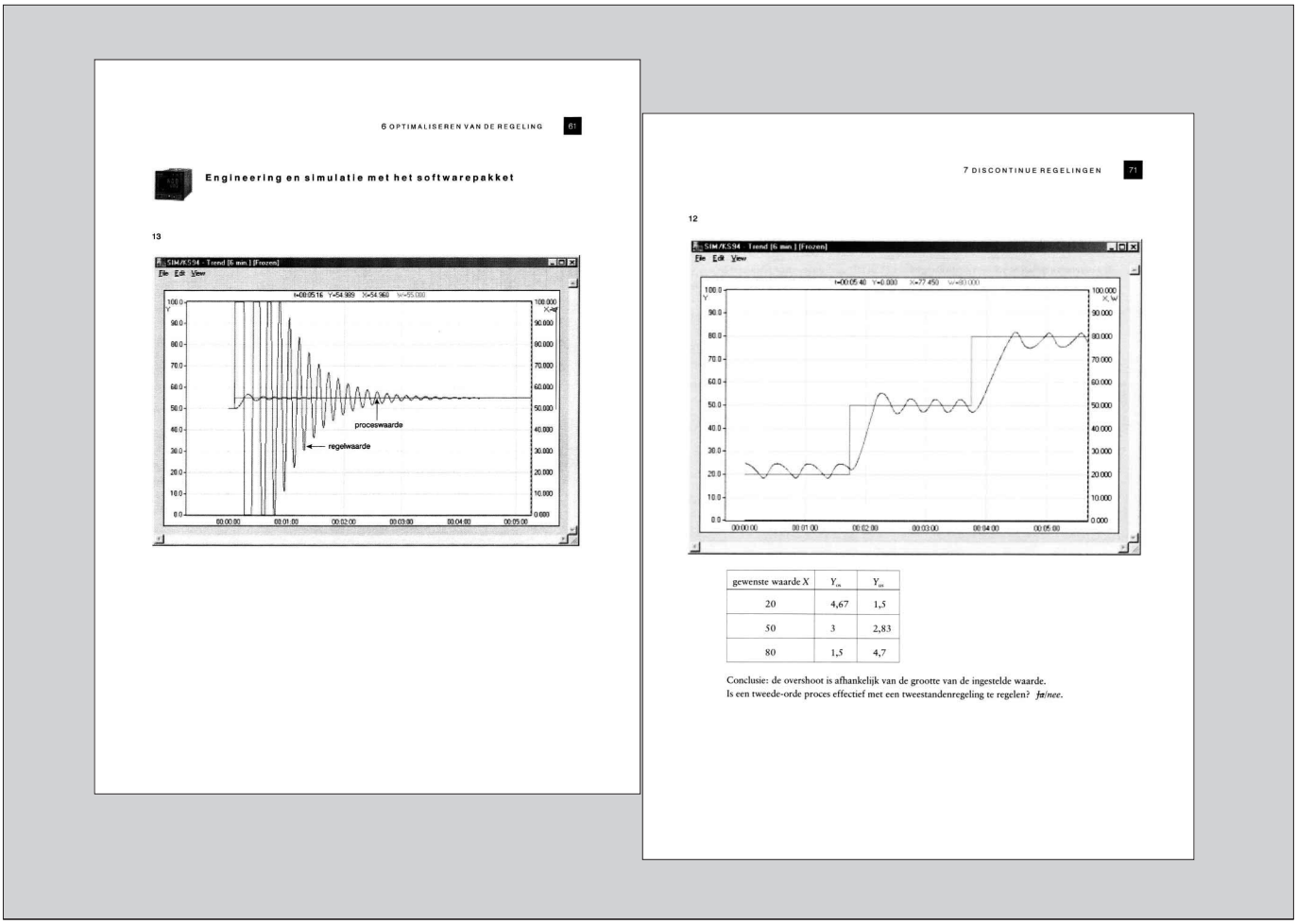


Fig. 1: Visualization of control modes with the KS 94 simulation tool

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