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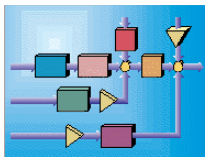
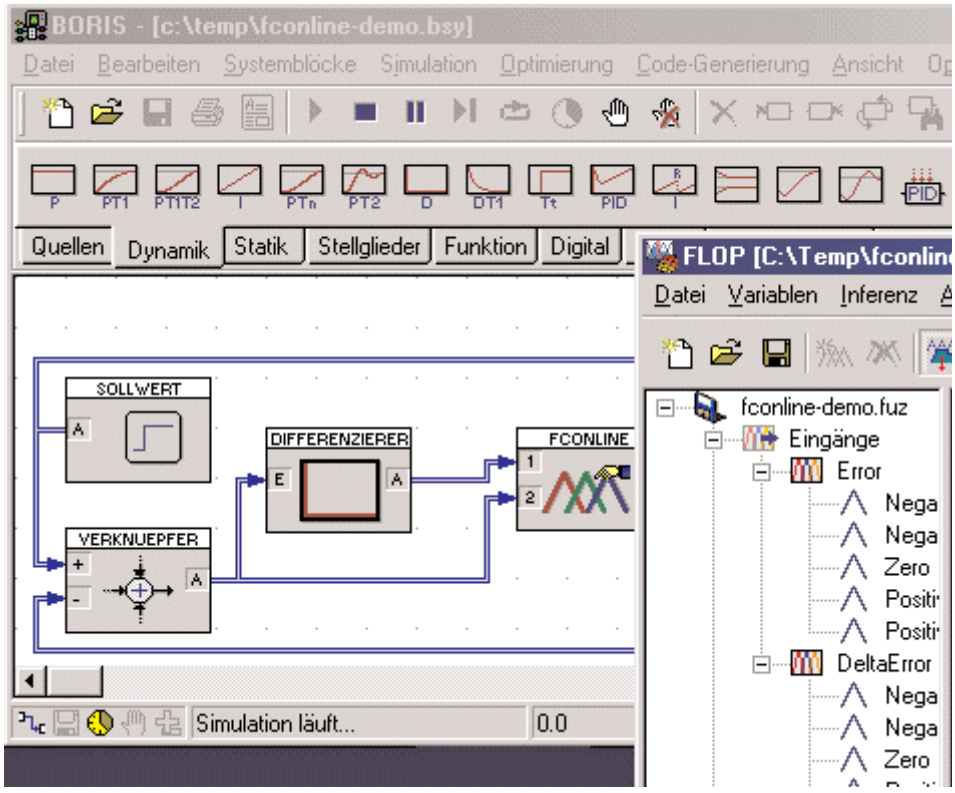


WinFACT

Control Engineering, modular in one system

WinFACT is an innovative, modularely expandable program system for analysis, synthesis and simulation in control engineering. The main module is the BORIS simulation system. WinFACT is espescially useful for vocational training and technical colleges but also in industry and research. WinFACT is a supplement or alternative to conventional practical experiments in training.

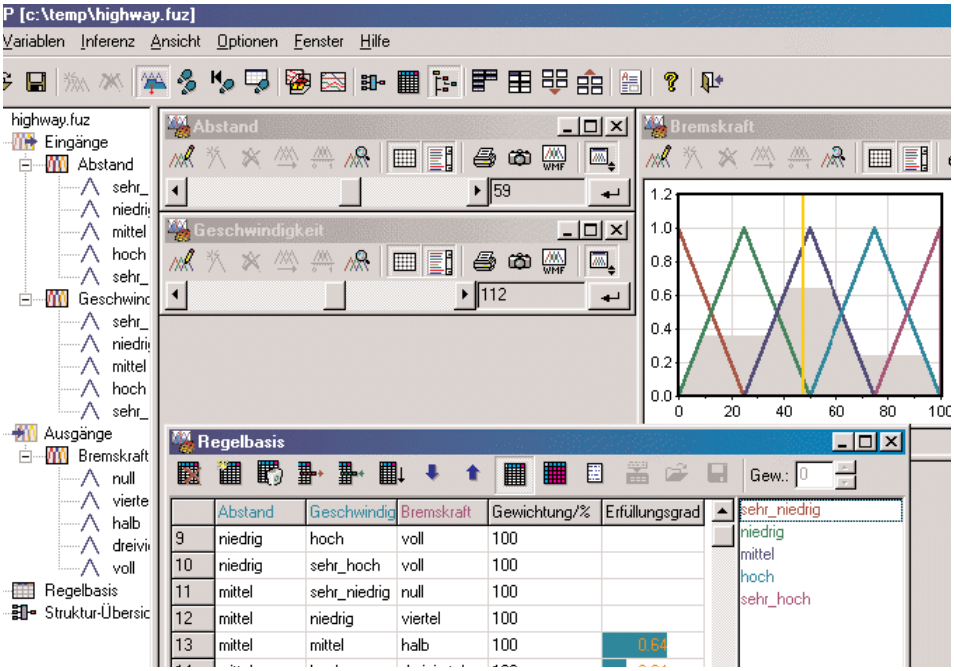


INGO: Graphic representation module. Enables comfortable and high quality output (printing, export in BMP and WMF format) of the files created by other modules (e.g. simulation results, frequency responses, characteristic fields, etc.).

FLOP: Fuzzy Shell for designing and analysing fuzzy systems. FLOP can be integrated in the block-orientated simulation BORIS.

LISA: Module for analysing linear systems: Calculation and graphic output of transient responses, Bode diagrams, locus and locus of the roots.

IDA: Identificationof linear systems based on measured curves of input and output variables.



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CONTROL ENGINEERING
COMPUTER-PROCESS SYSTEMS

RESY: Design of controllers (e.g. PID controllers) in the frequency range. Frequency response and time behaviour of system, controller, open circuit and closed control circuit can be represented graphically parallel to this and the influence of the individual control parameters examined.

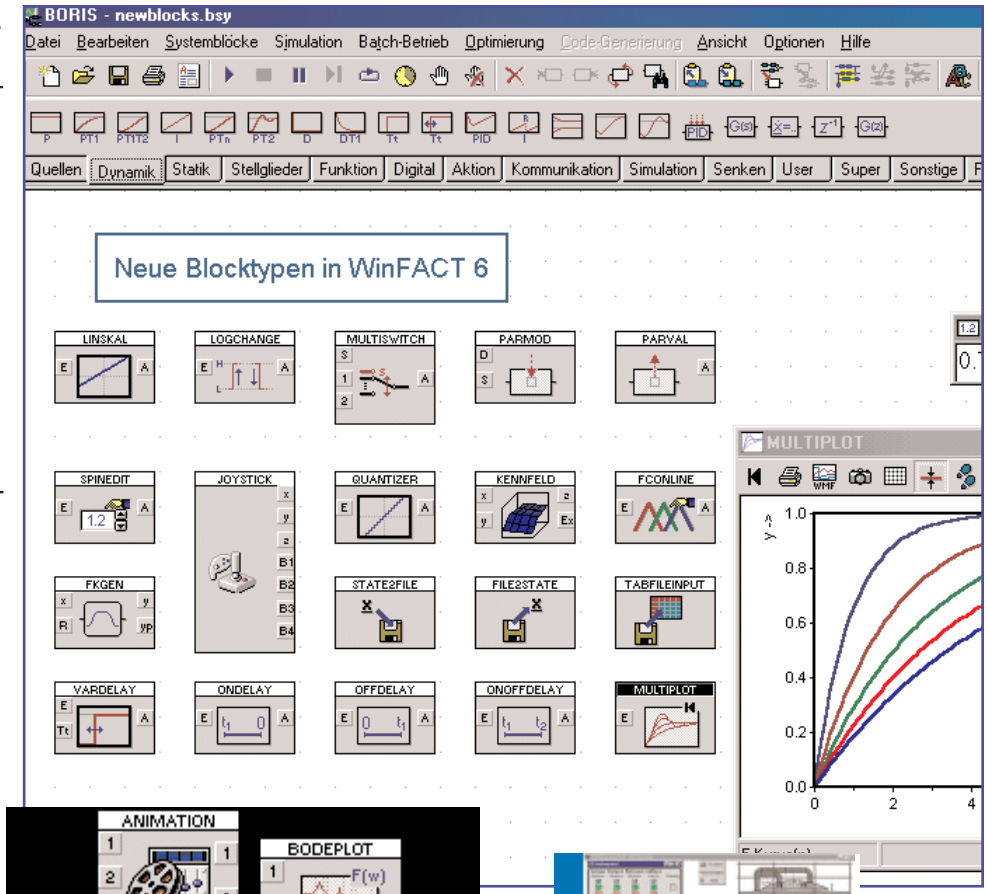
FALCO: C-code generation for fuzzy systems. FALCO generates an Ansi-C code from the fuzzy system designed with the FLOP module which can be ported to any target hardware (e.g. microcontroller).

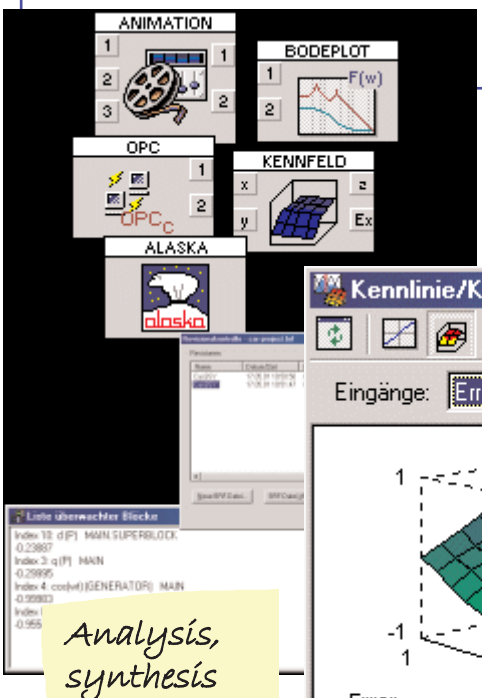
SUSY: Simulation and design of status control circuits.

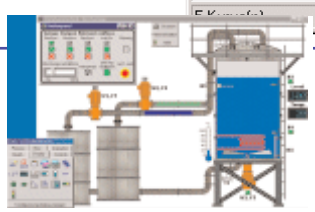
FUZZYPID: Program for easy introduction to basic fuzzy control engineering.

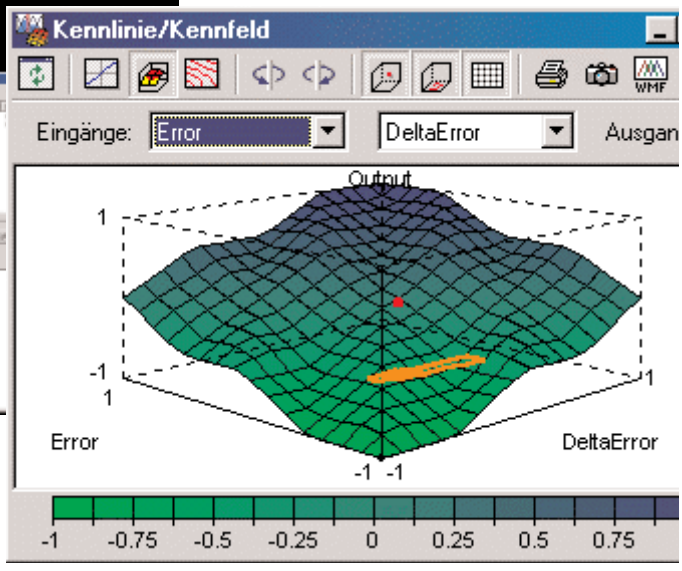
System Models: Collection of systems models of various kinds (temperature system, motor-generator set, agitated boiler reactor) for BORIS.

FAB: *Flexible Animation Builder*. Extra tool for block-orientated simulation system BORIS which enables a comfortable creation of any process visualisations (animation etc.) and user interfaces which can then be integrated in BORIS as „normal system blocks (demo available).









Analysis, synthesis and simulation in one system

System Requirements:

- Windows 9x / NT 4.0 / 2000
- PC: Pentium 100 MHz onwards
- Hard disk: 250 MB free
- Working memory: 32 MB
- CD ROM drive
- SVGA graphic card (800 x 600)
- 16 bit sound card

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MESSwin

Simple programming environment for control engineering

MESSwin is a graphic program generator to solve any problems in measuring technique and control engineering.

With MESSwin you can ...

... solve all measuring and automatic control engineering problems quickly and easily with the PC.

... create measuring programs without programming experience.

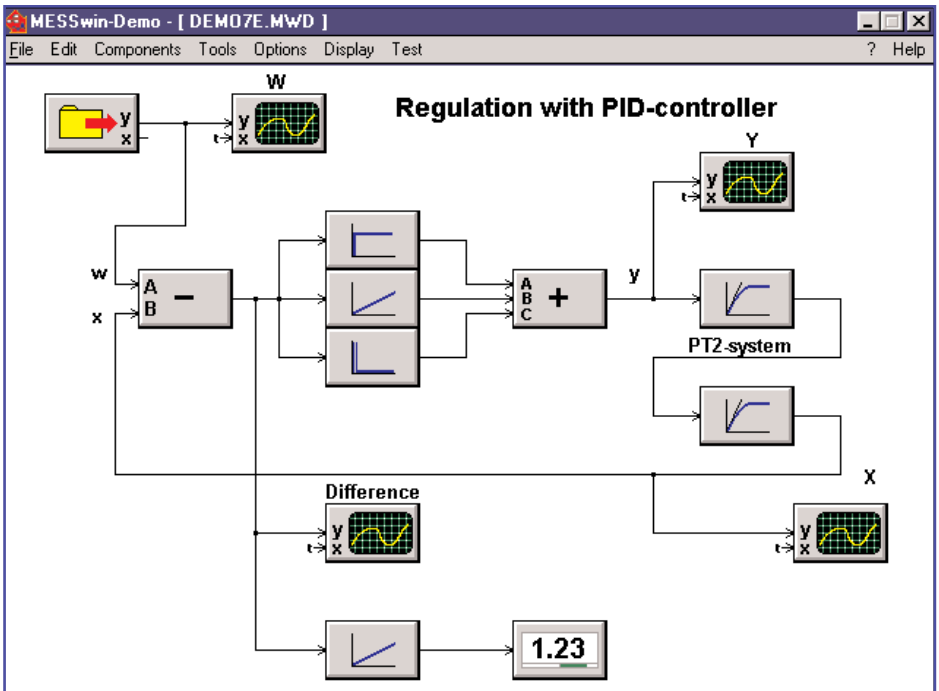
... solve a measuring problem by drawing the block diagram.

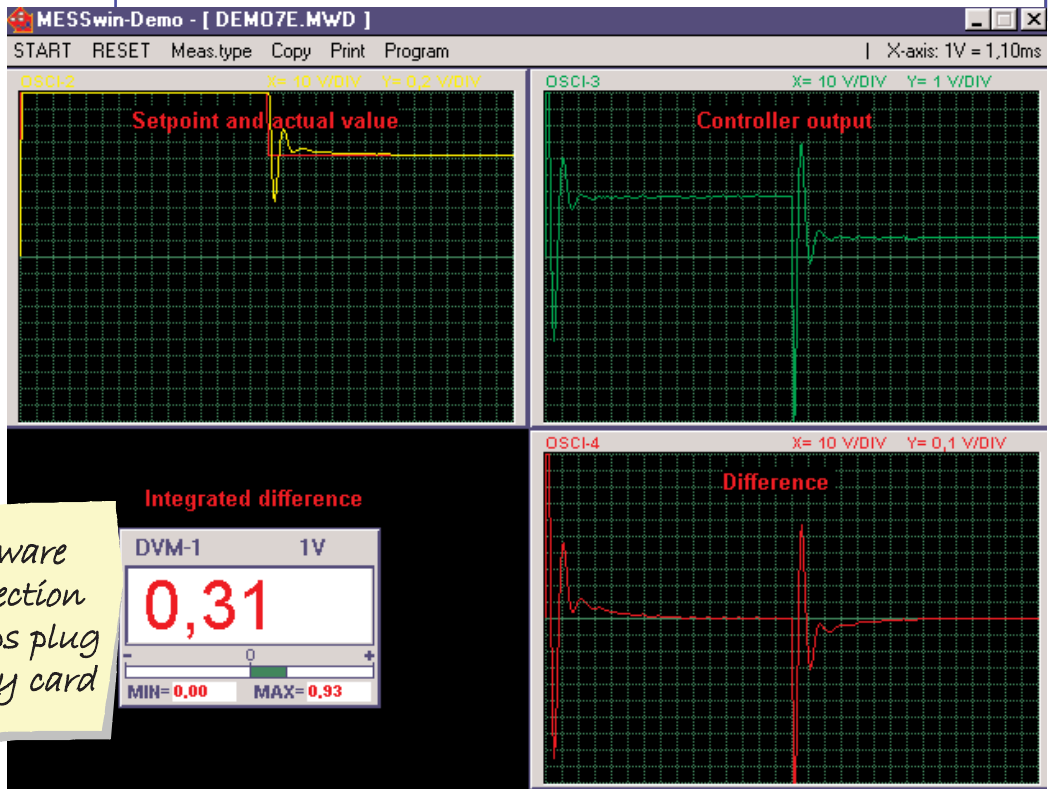
... display measuring results graphically, save them and print them.

... use the I/O functions of an interface in the simplest way possible.

... set or change all component parameters easily.

... simulate any control circuits without an interface.





System Requirements:

- Windows 3.1x / 9x
  Windows NT 4.0 / 2000
- PC: 80486 / 40 MHz onwards
- Hard disk: 2 MB free
- Working memory: 4 MB
- 3.5” disk drive
- SVGA graphic card (800 x 600)

Hardware connection by hps plug & play card