



FCD Tools from ExpertControl

Worldwide Highest Grade of Automation for Controller Design

RTAC : World's first autonomous Plug&Play embedded Controller

- Easy Integration as „Controller Block“ in Development Environments (Simulink™, LabVIEW™)
- Autonomous System Excitation (open-loop)
- Autonomous model-based Controller Design
- Online Controller Tuning (closed-loop)

ecICP : Completely Automated model-based Controller Design

- Software for Windows OS (XP, Vista, Win7)
- No Controller Theory necessary
- Only System Data is needed (from Measurement or Simulation)
- Transfer Functions and Controller Parameters by Pressing One Button
- Control Design according to desired Transition Times (Setpoint AND Disturbances)
- Up to State Control for time-variant, nonlinear, dead-time MIMO-Systems

ecCST : Flexible Software-Industry-Controller with bumpless Controller Switching

- Available for Simulink™, LabVIEW™, SimulationX™, Automation Studio, many more
- Parameterization is done by ecICP fully automatically
- Controller adapts with Controller Switching to System Dynamics or your preferred Setpoint Profile
- Controller can be optimized for the following:
 - Classical Structures (up to PID-T1)
 - Higher Structures (for Systems with Multi-Oscillation)
 - Setpoint Ramps (Avoid Tracking Error)
 - Setpoint Sinus-Sweep (Phase + Amplitude)
 - Handle Signal Drift, Hysteresis, Friction, Nonlinearities, etc.