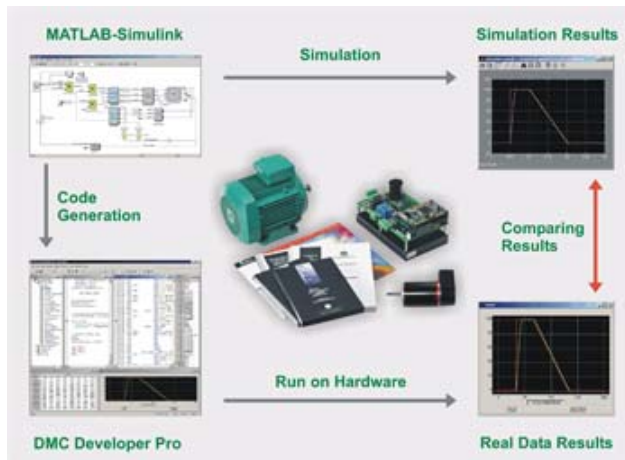


MCK28335 Motor Control Kits with Complete Optimized DSP Source Code

The new Technosoft MCK28335 kits with source code and MATLAB libraries are complete motion control development and evaluation packages based on the latest TMS320F28335 floating-point digital signal controller. Through the floating-point processor embedded in these kits, users will significantly save development time and effort; specific issues related to fixed-point processors (as saturation, overflow, scaling of parameters and variables) are no longer a problem now.



MCK28335 Kits C Pro-MS(BL/IM) represent the most advanced existing development platforms in the digital motor control field. They are plug-and-play systems, with complete C language source code, including a MATLAB motion library, and Simulink models for PMSM position and speed control. They also contain complete DSP source code (not generated from MATLAB) optimized for real-time execution for PMSM and BLDC speed control. A development software platform based on RS232 serial communication is included in the kits besides the hardware: controller board, 3-phase inverter module and brushless or induction motor.

Both BL (brushless) and IM (induction) kit versions are self-contained, so designers can start their project evaluation and development immediately. They will discover how easy it is to control a brushless motor (in trapezoidal or sinusoidal mode), or an induction motor (in vector control or V/f mode). Moreover, for experienced designers these kits are an impressive and very efficient starting point for any advanced motion control application. Starting from the MATLAB-Simulink model, users can adapt the control model, simulate the system, then automatically generate the C code for their schematics. This code can be tested on DSP and simulation results can be compared with the real control.

The Technosoft MCK28335 professional kits with source code and MATLAB libraries are perfectly suited solutions for quick development, testing and validation of any brushless or induction motor control application. Designers will save important resources by using this development procedure. Replacing a hardware (motor, inverter, sensors) or software (control blocks) component is easily feasible. This approach offers a major advantage: it always starts from a functional, complete system, and makes it much easier to detect the effect of the changes in the application architecture.

For further details:

http://www.technosoftmotion.com/products/TOOLS_MSKPro.htm#MCK28335CMSBL_MCKPro

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