DAvE Drive

Embedded World 2009

Application Code Generator for Motor Control

Description:

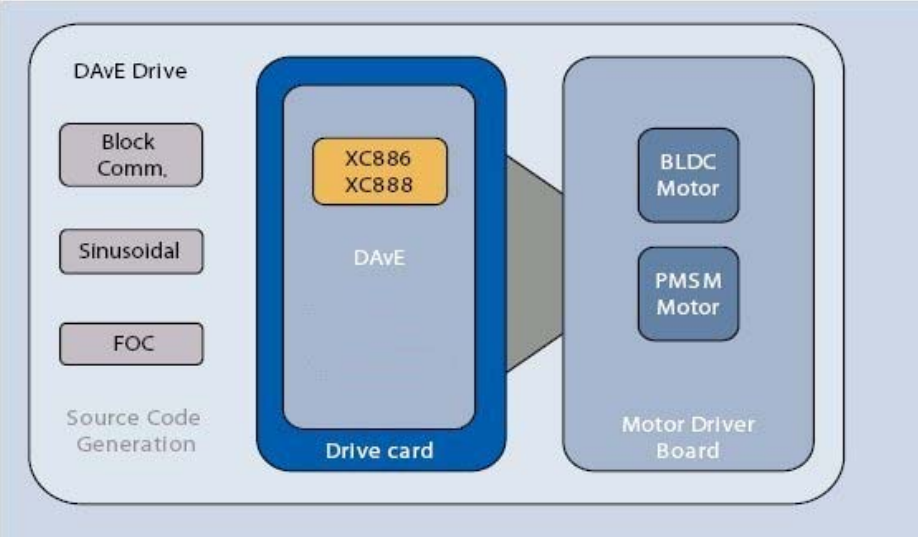
The DAvE Drive auto-code generator provides application code for a complete motor control system.

DAvE Drive:

- **shortens the evaluation time** for motor control developers significantly as the motor control code can be generated via a GUI instead of handwriting some thousands lines of code
- gives hardware engineers **easy access** to electronic systems
- **Uses the full power** of Infineon's microcontroller, e.g. it generates optimized FOC code for XC886 using Vector Computer which usually requires expert knowledge in both motor control and assembler programming.
  By making DAvE Drive available as a free download, customers of all sizes can quickly implement advanced motor control techniques using Infineon's powerful components for motor control.

Features:

- Motortypes: BLDC, PMSM
- Controll algorithm: Sensorless Field Oriented Control , Block commutation with hall sensors and sensorless
- Microcotrollers: 8-bit XC866 and XC886 microcontroller series
- Flexibly generates optimized code and is not based on static libraries
- Configures Infineon's powerful and flexible motor control peripherals
- Compresses a detailed user manual into a few mouse clicks
- Helps designers to quickly and easily implement advanced motor control techniques on low-cost components
- Is pre-configured for Infineon's 3-phase Motor Drive Applications Kit (KIT_AK_3PHASE_DRIVE_V1), Scalable-LV-PMSM-Motor Drive-Application Kit with Dave Drive (KIT_AK_DaveDrive_V2) and BLDC Drive Application Kit (KIT_AK_DAVEdrive_V1)
- Is based on the successful DAvE software for chip-level configuration



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