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International IGR Rectifier

IRMCV201

Complete Motion Control Verilog Library
Accelerator[TM] Verilog Code Development Tool

Features

- **Accelerator[TM] architecture AC servo development system**
- **ServoDesigner[TM] graphical user interface for configuration, control and monitoring**
- **Verilog code library grouped into three segments:**
  - **FOC blocks**
  - **Motion peripheral blocks**
  - **Communication blocks**
- **Bilinear transformation based discretization**
- **Rapid prototyping with Accelerator[TM] Hardware Platform**

Product Summary

Flexible Target Silicon	FPGA or ASIC
Field Orientation Control execution	6 usec (200 sysclk)
Versatile PWM module	Sine or Space Vector PWM
Communication options	Fast SPI (5 MHz), UART (57.6K or 1Mbit)

Description

IRMCV201 is a Verilog code development tool including a rich Verilog library and graphical user interface. The tool set is designed to facilitate motion control algorithm development including motion peripheral and communication modules. Flexible configuration allows the user to quickly realize hardware on an FPGA to achieve a high performance AC motor control system.

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