交通大學電機與控制系 電動機原理與控制

從馬達設計到馬達驅動系統設計

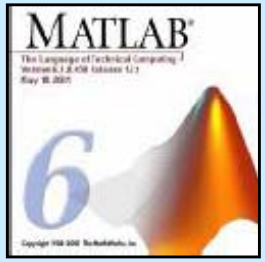
鄒 應 嶼 教 授

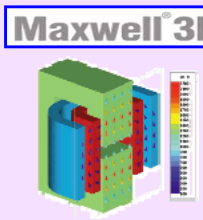
國立交通大學 電機與控制工程研究所

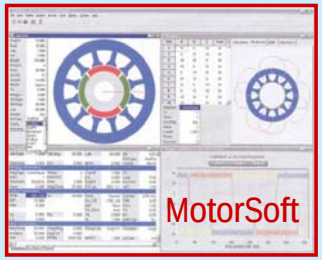
2007年2月28日

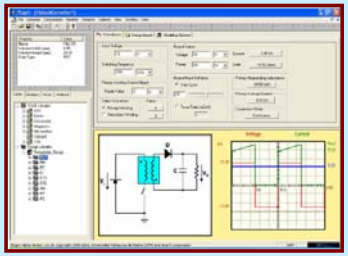
Lab808: 電力電子系統與晶片實驗室
Power Electronic Systems & Chips, NCTU, TAIWAN
台灣新竹•交通大學•電機與控制工程研究所

From Motor Design to Motor Control





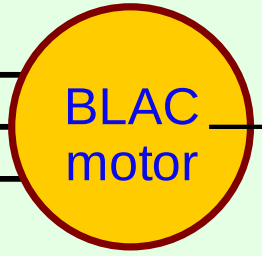




Control System
(Analog, Digital, Microcontroller, DSP, FPGA etc.)

Power Electronics

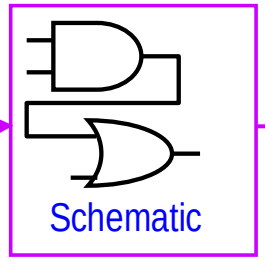
Mechatronics



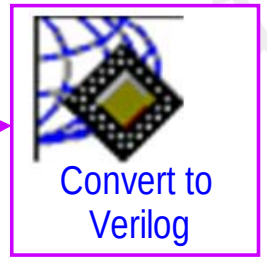
Mechanical load

Optical Encoder

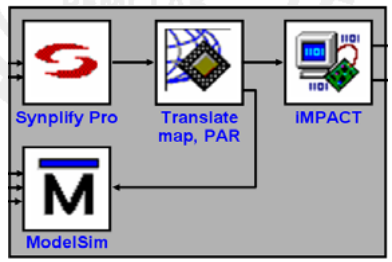
Schematic capture



Schematic



Convert to Verilog



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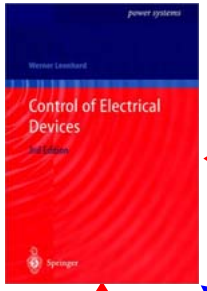
Motor Control – A Reading Road Map



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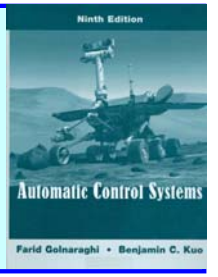

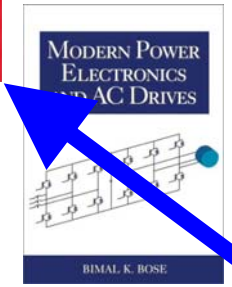

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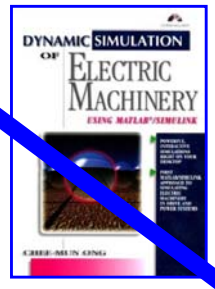

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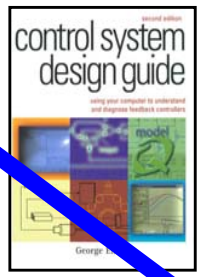

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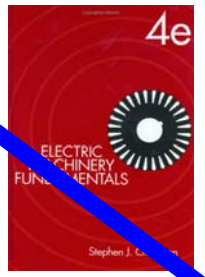

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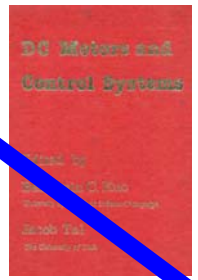

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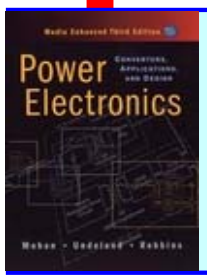

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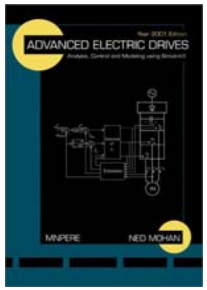
Recommended Text Books for Motor Control



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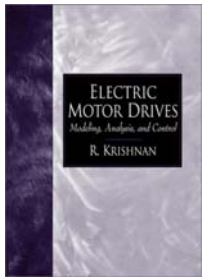

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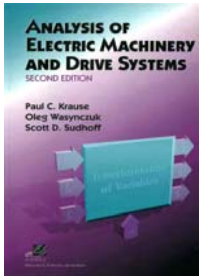

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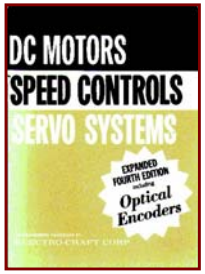

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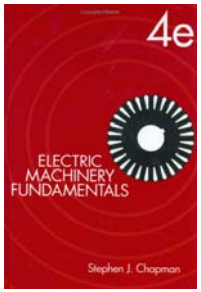

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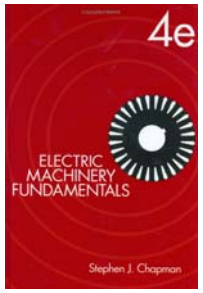

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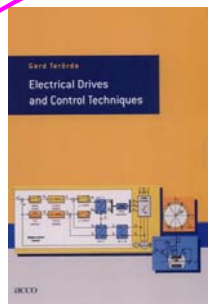

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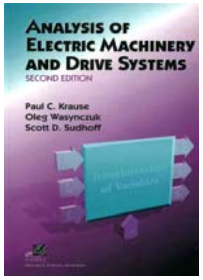

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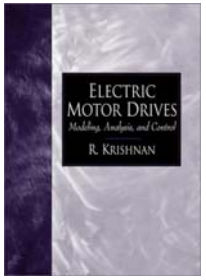

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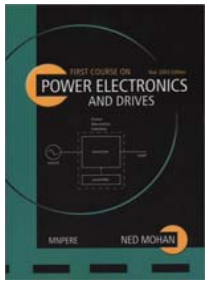

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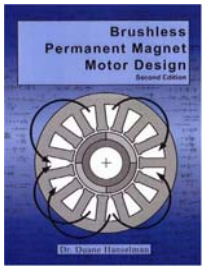

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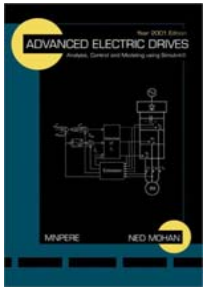

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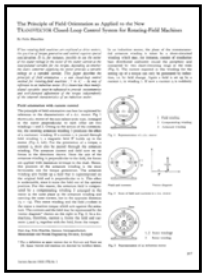

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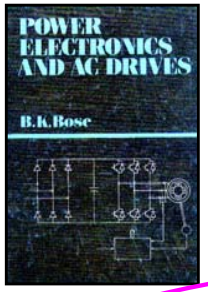

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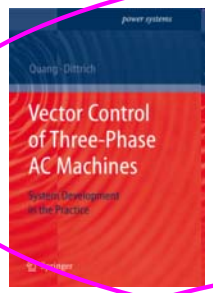

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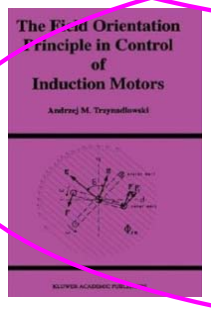

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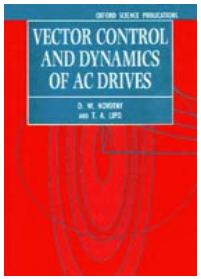

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D. W. Novotny and T. A. Lipo, Clarendon Pr, USA, September 1996.

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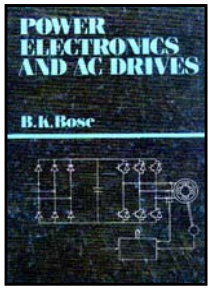

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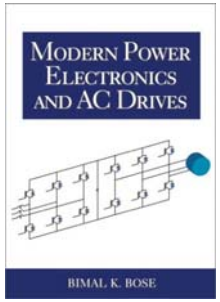

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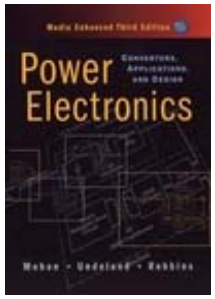

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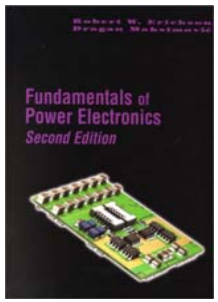

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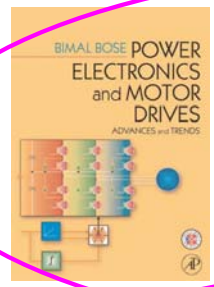

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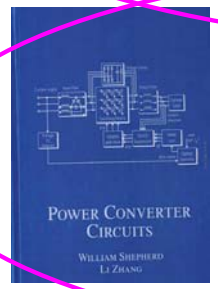

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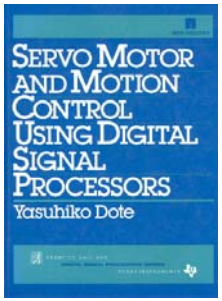

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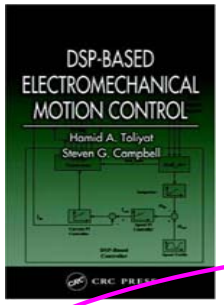

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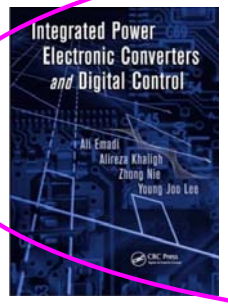

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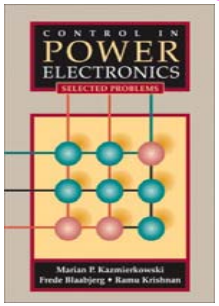

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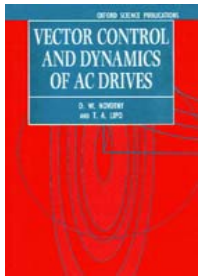

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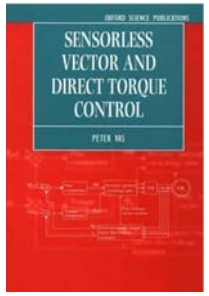

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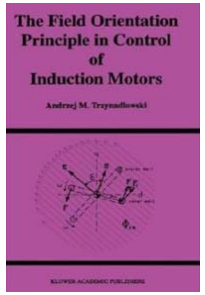

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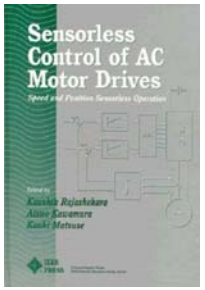
Sensorless Control of AC Motor Drives



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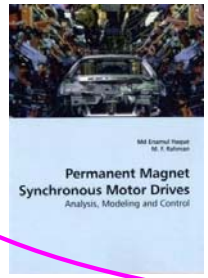

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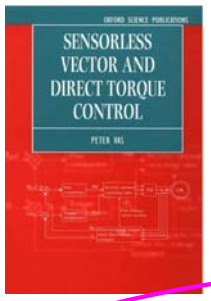

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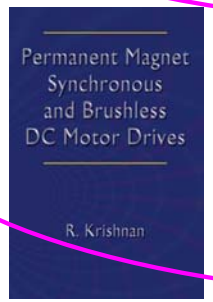

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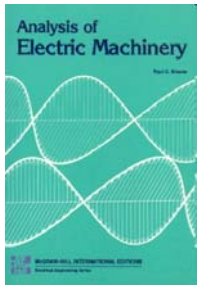

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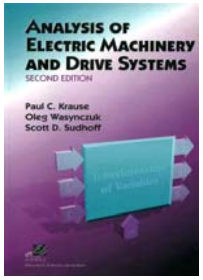

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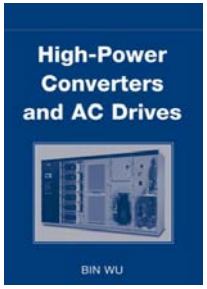

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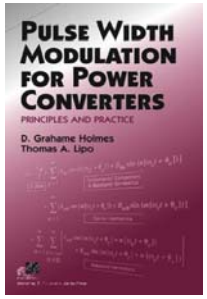

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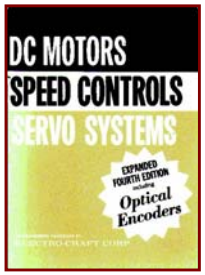

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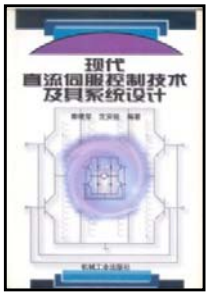

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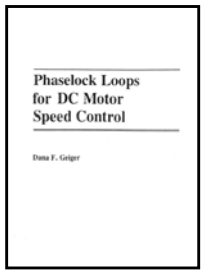

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