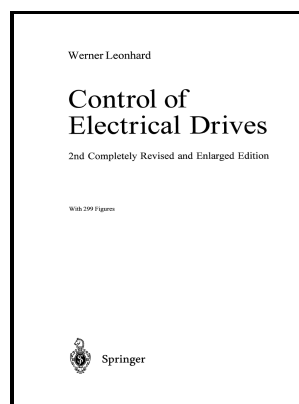


Control of electrical drives.

Springer-Verlag - Control of Electrical Drives



Description: -

-Control of electrical drives.

-Control of electrical drives.

Notes: Completely revised and enlarged edition of Regelung in der elektrischen Antriebstechnik, Stittgart, 1974.

This edition was published in 1985



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ELECTRICAL DRIVES AND CONTROL BY BAKSHI

Once the motor has a computer on board other functions such as communications and the controller area network CAN Bus can be integrated with the motor controls. In other words a rectifier circuit is placed in the system.

Electrical Drives: Introduction, classification

It enables parameters over which no direct control is possible to be changed by changing instead, parameters which can be measured and controlled. Loop Delay The response is not always instantaneous as there is usually a delay between sensing the error, or aiming at a new position, and eliminating the error or moving to the new desired position.

Electrical Drives: Introduction, classification

The above is an example of a step down DC converter.

Electrical Drives: Introduction, classification

The example above provides six possible current configurations and is known as a six step inverter. In this case a shunt resistor or a current transformer is used to monitor the current.

Electric Drives

Where noise may be a problem, the derivative term is not used. A single SCR only affects one polarity of the waveform.

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