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Titolo	Sliding mode control for synchronous electric drives // Sergey Ryvkin, Eduardo Palomar Lever
Pubbl/distr/stampa	Boca Raton : , : CRC Press, , 2012
ISBN	0-429-21773-0 1-136-59149-4 0-203-18138-7
Descrizione fisica	1 online resource (200 p.)
Altri autori (Persone)	RyvkinSergey E Palomar LeverEduardo
Disciplina	621.46
Soggetti	Electric motors, Synchronous - Automatic control Electric motors - Electronic control Sliding mode control Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Problem statement -- 2. Sliding mode in nonlinear dynamic systems -- 3. State vector estimation -- 4. Synchronous drive control design -- 5. Multidimensional switching regularization -- 6. Mechanical coordinates observers -- 7. Digital control -- 8. Practical examples of drive control.
Sommario/riassunto	This volume presents the theory of control systems with sliding mode applied to electrical motors and power converters. It demonstrates the methodology of control design and the original algorithms of control and observation. Practically all semiconductor devices are used in power converters, that feed electrical motors, as power switches. A switching mode offers myriad attractive, inherent properties from a control viewpoint, especially a sliding mode. Sliding mode control supplies high dynamics to systems, invariability of systems to changes of their parameters and of exterior loads in combi

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ISBN	1-78985-972-7
Descrizione fisica	1 online resource (xi, 108 pages)
Disciplina	610.7305
Soggetti	Birth control Contraception Family planning
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