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Autore	Chen Mou
Titolo	Robust adaptive control for fractional-order systems with disturbance and saturation // Mou Chen, Shuyi Shao, Peng Shi
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ISBN	1-119-39333-7 1-119-39331-0 1-119-39335-3
Edizione	[1st edition]
Descrizione fisica	1 online resource (331 pages) : illustrations (some color), tables
Collana	Wiley-ASME Press Series
Disciplina	629.836
Soggetti	Adaptive control systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	A treatise on investigating tracking control and synchronization control of fractional-order nonlinear systems with system uncertainties, external disturbance, and input saturation Robust Adaptive Control for Fractional-Order Systems, with Disturbance and Saturation provides the reader with a good understanding on how to achieve tracking control and synchronization control of fractional-order nonlinear systems with system uncertainties, external disturbance, and input saturation. Although some texts have touched upon control of fractional-order systems, the issues of input saturation and disturbances have rarely been considered together. This book offers chapter coverage of fractional calculus and fractional-order systems; fractional-order PID controller and fractional-order disturbance observer; design of fractional-order controllers for nonlinear chaotic systems and some applications; sliding mode control for fractional-order nonlinear systems based on disturbance observer; disturbance observer based neural control for an uncertain fractional-order rotational mechanical system; adaptive neural tracking control for uncertain fractional-order chaotic systems subject to input saturation and disturbance;

stabilization control of continuous-time fractional positive systems based on disturbance observer; sliding mode synchronization control for fractional-order chaotic systems with disturbance; and more. Based on the approximation ability of the neural network (NN), the adaptive neural control schemes are reported for uncertain fractional-order nonlinear systems. Covers the disturbance estimation techniques that have been developed to alleviate the restriction faced by traditional feedforward control and reject the effect of external disturbances for uncertain fractional-order nonlinear systems. By combining the NN with the disturbance observer, the disturbance observer based adaptive neural control schemes have been studied for uncertain fractional-order nonlinear systems with unknown disturbances. Considers, together, the issue of input saturation and the disturbance for the control of fractional-order nonlinear systems in the present of system uncertainty, external disturbance, and input saturation. Robust Adaptive Control for Fractional-Order Systems, with Disturbance and Saturation can be used as a reference for the academic research on fractional-order nonlinear systems or used in Ph.D. study of control theory and engineering.

2. Record Nr.	UNISANNIOLO11029403
Autore	Giaufret-Harvey, Anna
Titolo	Le franais dans les textes juridiques : testi relativi a tematiche giuridiche con note ed esercizi di comprensione, analisi della morfosintassi e della terminologia specializzata : letture e documenti autentici, con spunti di approfondimento / Anna Giaufret, Bernard Mesmaeker, Micaela Rossi ; prefazione di Leandro Schena
ISBN	8824480683
Descrizione fisica	Napoli : Esselibri-Simone, stampa 2005. -302 p. ; 24 cm + 1 CD-ROM.
Collana	Diritto & informatica , Edizioni Simone ; 49/2
Altri autori (Persone)	Mesmaeker, Bernard Rossi, Micaela
Disciplina	448.2451
Soggetti	Lingua francese - Manuali
Collocazione	LT (C) 19 B 22101LT (C) 19 B 22201LT (C) 19 B 223
Lingua di pubblicazione	Italiano
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