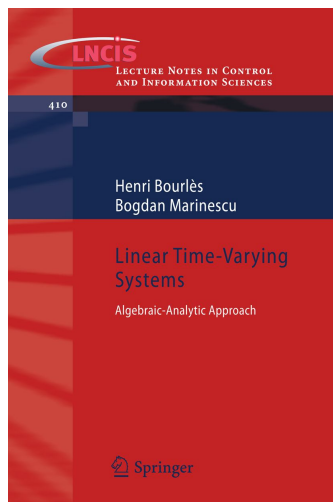




2011. XXVI, 638 p. 32 illus. (Lecture Notes in Control and Information Sciences, Vol. 410)
Softcover

- ▶ **149,95 €**
- ▶ **\$199.00**
- ▶ **SFr. 215.00**
- ▶ **£135.00**

ISBN 978-3-642-19726-0

H. Bourlès, SATIE, CNAM/ENS de Cachan, Cachan, France; B. Marinescu, EDF-RTE, R&D Division, La Defense, France

Linear Time-Varying Systems

Algebraic-Analytic Approach

The aim of this book is to propose a new approach to analysis and control of linear time-varying systems. These systems are defined in an intrinsic way, i.e., not by a particular representation (e.g., a transfer matrix or a state-space form) but as they are actually.

The system equations, derived, e.g., from the laws of physics, are gathered to form an intrinsic mathematical object, namely a finitely presented module over a ring of operators. This is strongly connected with the engineering point of view, according to which a system is not a specific set of equations but an object of the material world which can be described by equivalent sets of equations. This viewpoint makes it possible to formulate and solve efficiently several key problems of the theory of control in the case of linear time-varying systems. The solutions are based on algebraic analysis. This book, written for engineers, is also useful for mathematicians since it shows how algebraic analysis can be applied to solve engineering problems. Henri Bourlès is a Professor and holds the industrial automation chair at the Conservatoire national des arts et métiers in France. He has been teaching automation for over 20 years in engineering and graduate schools. Bogdan... *more on* <http://springer.com/978-3-642-19726-0>

Order Now!

Yes, please send me _____ copies

"Linear Time-Varying Systems"
ISBN 978-3-642-19726-0

Methods of Payment ☐ Check/Money Order enclosed ☐ AmEx ☐ MasterCard ☐ VISA

Card No. Exp. Date

Please send orders to:

Outside the Americas:

Springer
Order Department
PO Box 2485
Secaucus, NJ 07096-2485
USA

Springer
Customer Service Center GmbH
Haberstrasse 7
69126 Heidelberg
Germany

- ▶ **Call toll-free** 1-800-SPRINGER
8:30 am – 5:30 pm ET
- ▶ **Fax your order to** (201) 348-4505
- ▶ **Web** springer.com
- ▶ **Email** orders-ny@springer.com

- ▶ **Call:** + 49 (0) 6221-345-4301
- ▶ **Fax:** +49 (0) 6221-345-4229
- ▶ **Web:** springer.com
- ▶ **Email:** orders-hd-individuals@springer.com

Name	
Address	
Street Address	
(Sorry, we cannot deliver to P.O. boxes)	
City / State / ZIP-Code	
Country	
Telephone / Email	
Date ✕	Signature ✕

CA, MA, NJ, NY, and PA residents, please add sales tax. Canadian residents, please add 5% GST. Please add \$5.00 for shipping one book and \$1.00 for each additional book. Outside the US and Canada add \$10.00 for first book, \$5.00 for each additional book. All orders are processed upon receipt. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent. Remember, your 30-day return privilege is always guaranteed. Pre-publication pricing: Unless otherwise stated, pre-pub prices are valid through the end of the third month following publication, and therefore are subject to change.

All € and £ prices are net prices subject to local VAT, e.g. in Germany 7% VAT for books and 19% VAT for electronic products. Pre-publication pricing: Unless otherwise stated, pre-pub prices are valid through the end of the third month following publication, and therefore are subject to change. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. Please consult springer.com for information on postage.