

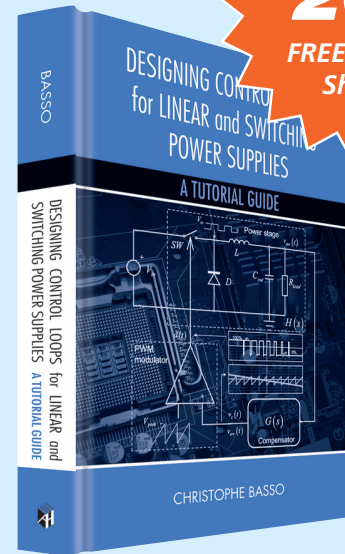
# ARTECH HOUSE

INSIGHTS AND ANSWERS FOR HIGH-TECH PROFESSIONALS

## Designing Control Loops for Linear and Switching Power Supplies: A Tutorial Guide

Christophe Basso

Loop control is an essential area of electronics engineering that today's professionals need to master. Rather than delving into extensive theory, this practical book focuses on what you really need to know for compensating or stabilizing a given control system. You can turn instantly to practical sections with numerous design examples and ready-made formulas to help you with your projects in the field. You also find coverage of the underpinnings and principles of control loops so you can gain a more complete understanding of the material. This authoritative volume explains how to conduct analysis of control systems and provides extensive details on practical compensators. It helps you measure your system, showing how to verify if a prototype is stable and features enough design margin. Moreover, you learn how to secure high-volume production by bench-verified safety margins.



**SAVE  
20%**

**FREE Standard  
Shipping**

**Contents:** Basics of Loop Control; Transfer Functions; Stability Criteria of a Control System; Compensation. Operational Amplifier-Based Compensators; Operational Transconductance Amplifier-Based Compensators; TL431-Based Compensators; Shunt Regulator-Based Compensators; Measurements and Design Examples.

**Hardcover • 590 pp • 2012 • ISBN: 978-1-60807-557-7**

**20% off plus FREE Standard Shipping at ArtechHouse.com when you use Promo Code: BASSO15**

*Discount expires 31 December 2015 – Cannot be combined with other discounts*

**Order now at [www.ArtechHouse.com](http://www.ArtechHouse.com)**

### To Order

**For customers in the UK, EMEA, Asia, or International orders:**

**Call** +44 (0)20 7596 8750

**Fax** to: +44 (0)20 7630-0166

**E-mail** to: [artech-uk@ArtechHouse.com](mailto:artech-uk@ArtechHouse.com)

**For customers in the US, Canada, South America, Australia, New Zealand:**

**Call** 1-800-225-9977 (in the U.S. or Canada),  
or 1-781-769-9750, ext. 4030

**Fax** to: 1-781-769-6334

**E-mail** to: [artech@ArtechHouse.com](mailto:artech@ArtechHouse.com)



**ARTECH HOUSE** BOSTON | LONDON

685 Canton Street, Norwood, MA 02062 USA  
16 Sussex Street, London SW1V 4RW UK