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Autore	Bellos, Alex
Titolo	I numeri ci somigliano : come i numeri riflettono la vita e la vita i numeri / Alex Bellos ; traduzione di Giuliana Lupi ; illustrazioni di Surreal McCoy
Pubbl/distr/stampa	Torino, : Einaudi, 2015
ISBN	978-88-06-22085-3
Descrizione fisica	IX, 372 p., [8] carte di tav. : ill. ; 22 cm
Collana	Stile Libero Extra
Disciplina	510
Locazione	FAGBC
Collocazione	60 510 BELA 2015
Lingua di pubblicazione	Italiano
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Autore	Wang Zhancang
Titolo	Envelope Tracking Power Amplifiers for Wireless Communications
Pubbl/distr/stampa	Norwood : , : Artech House, , 2014 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2014]
ISBN	1-60807-785-3
Descrizione fisica	1 online resource (363 p.)
Collana	The Artech House microwave library
Disciplina	621.38413
Soggetti	Power amplifiers
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Envelope Tracking Power Amplifiers for Wireless Communications; Contents; Preface; Acknowledgments; CHAPTER 1 High-Efficiency -- Power -- Amplifier -- Architectures and Devices; 1.1 Efficiency Definitions for RF PA; 1.2 Characteristics of Modern Modulated Signals; 1.2.1 Crest Factor; 1.2.2 Probability Density Function; 1.2.3 Second Generation Signal ; 1.2.4 Third Generation Signal ; 1.2.5 Fourth Generation Signal ; 1.3 Architectures for High-Efficiency PA; 1.3.1 Switch Mode PA; 1.3.2 Waveform-Engineered PA; 1.3.3 Doherty; 1.3.4 LINC and Outphasing; 1.3.5 Envelope Elimination and Restoration. 1.3.6 Envelope Tracking1.4 Device Technologies for High-Efficiency PA; 1.4.1 GaAs HBT; 1.4.2 CMOS ; 1.4.3 Si-LDMOS; 1.4.4 GaN HEMT; References; CHAPTER 2 Envelope -- Tracking -- Power -- Amplifier -- Basics; 2.1 Introduction; 2.1.1 Motivation for ET; 2.1.2 ET Pyramid; 2.2 Principle of ET; 2.2.1 Signal Definition; 2.2.2 ET Efficiency; 2.2.3 Design Cons.
Sommario/riassunto	Envelope tracking technology is seen as the most promising efficiency enhancement technology for RF power amplifiers for 4G and beyond wireless communications. More and more organizations are investing and researching on this topic with huge potential in academic and commercial areas. This is the first book on the market to offer complete introduction, theory, and design considerations on envelope tracking for wireless communications. This resource presents you with a full introduction to the subject and covers underlying theory and

practical design considerations.