

1. Record Nr.	UNISA990000388670203316
Titolo	Aspetti dell'evoluzione umana = Aspects of human evolution / a cura di=edited by F.G.Fedele
Pubbl/distr/stampa	Napoli : Guida, 1985
ISBN	8870428737
Descrizione fisica	190 p. ; 23 cm
Collana	Studi di antropologia ; 1
Disciplina	573.2
Soggetti	Uomo - Evoluzione
Collocazione	III.2.729(XV H COLL.12/1)
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910483138703321
Autore	Sobot Robert
Titolo	Wireless communication electronics by example // Robert Sobot
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] Â©2021
ISBN	3-030-59498-X
Edizione	[Second edition.]
Descrizione fisica	1 online resource (XVI, 394 p. 313 illus., 260 illus. in color.)
Disciplina	621.38412
Soggetti	Radio circuits - Design and construction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I. Basic concepts and Definitions -- Chapter 1. Engineering mathematics -- Chapter 2. Introduction -- Chapter 3. Basic behavioural and device models -- Chapter 4. Multistage Interface -- Chapter 5.

Basic Semiconductor Devices -- Chapter 6. Transistor Biasing -- Chapter 7. Review of Basic Amplifiers -- Chapter 8. Introduction to frequency analysis of amplifiers -- Chapter 9. Electrical Noise -- Part II. Radio receiver circuit -- Chapter 10. Radio receiver architecture -- Chapter 11. Electrical Resonance -- Chapter 12. Matching Networks -- Chapter 13. RF and IF Amplifiers -- Chapter 14. Sinusoidal Oscillators -- Chapter 15. Frequency Shifting -- Chapter 16. Modulation -- Chapter 17. AM and FM Signal Demodulation -- Chapter 18. RF Receivers.

Sommario/riassunto

This book is intended for senior undergraduate and graduate students as well as practicing engineers who are involved in design and analysis of radio frequency (RF) circuits. Fully-solved, tutorial-like examples are used to put into practice major topics and to understand the underlying principles of the main sub-circuits required to design an RF transceiver and the whole communication system. Starting with review of principles in electromagnetic (EM) transmission and signal propagation, through detailed practical analysis of RF amplifier, mixer, modulator, demodulator, and oscillator circuit topologies, as well as basics of the system communication theory, this book systematically covers most relevant aspects in a way that is suitable for a single semester university level course. Readers will benefit from the author's sharp focus on radio receiver design, demonstrated through hundreds of fully-solved, realistic examples, as opposed to texts that cover many aspects of electronics and electromagnetic without making the required connection to wireless communication circuit design. Offers readers a complete, self-sufficient tutorial style textbook; Includes all relevant topics required to study and design an RF receiver in a consistent, coherent way with appropriate depth for a one-semester course; Uses hundreds of fully-solved, realistic examples of radio design technology to demonstrate concepts; Explains necessary physical/mathematical concepts and their interrelationship.
