1. Record Nr. UNINA9910971057303321

Autore	Savas Theodore P
Titolo	A guide to the battles of the American Revolution / / Theodore P. Savas & J. David Dameron
Pubbl/distr/stampa	New York, : Savas Beatie, 2010
ISBN	9781611210118 1611210119
Edizione	[1st pbk. ed.]
Descrizione fisica	1 online resource (lxix, 360 p.) : ill., maps
Altri autori (Persone)	DameronJ. David
Disciplina	973.33
Soggetti	United States History Revolution, 1775-1783 Campaigns
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previously published in 2006.
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	"A well-organized and concise introduction to the war's major battles" (The Journal of America's Military Past). Winner of the Gold Star Book Award for History from the Military Writers Society of America This is the first comprehensive account of every engagement of the Revolution, a war that began with a brief skirmish at Lexington Green on April 19, 1775, and concluded on the battlefield at the Siege of Yorktown in October 1781. In between were six long years of bitter fighting on land and at sea. The wide variety of combats blanketed the North American continent from Canada to the Southern colonies, from the winding coastal lowlands to the Appalachian Mountains, and from the North Atlantic to the Caribbean. Every entry begins with introductory details including the date of the battle, its location, commanders, opposing forces, terrain, weather, and time of day. The detailed body of each entry offers both a Colonial and a British perspective of the unfolding military situation, a detailed and unbiased account of what actually transpired, a discussion of numbers and losses, an assessment of the consequences of the battle, and suggestions for further reading. Many of the entries are supported and enriched by original maps and photos.

2. Record Nr. UNINA9910968882503321

Autore	Svelto Orazio
Titolo	Principles of Lasers / / by Orazio Svelto
Pubbl/distr/stampa	New York, NY : , : Springer US : , : Imprint : Springer, , 1998
ISBN	1-4757-6266-6
Edizione	[4th ed. 1998.]
Descrizione fisica	1 online resource (XXI, 605 p. 35 illus.)
Altri autori (Persone)	HannaD. C <1941-> (David C.)
Disciplina	621.36
Soggetti	Lasers Quantum optics Telecommunication Laser Quantum Optics Microwaves, RF Engineering and Optical Communications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	1. Introductory Concepts -- 2. Interaction of Radiation with Atoms and Ions -- 3. Energy Levels, Radiative, and Nonradiative Transitions in Molecules and Semiconductors -- 4. Ray and Wave Propagation through Optical Media -- 5. Passive Optical Resonators -- 6. Pumping Processes -- 7. Continuous Wale Laser Behavior -- 8. Transient Laser Behavior -- 9. Solid-State, Dye, and Semiconductor Lasers -- 10. Gas, Chemical, Free-Electon, and X-Ray Lasers -- 11. Properties of Laser Beams -- 12. Laser Beam Transformation: Propagation, Amplification, Frequency Conversion, Pulse Compression, and Pulse Expansion -- Appendixes -- A. Semiclassical Treatment of the Interaction of Radiation and Matter -- B. Lineshape Calculation for Collision Broadening -- C. Simplified Treatment of Amplified Spontaneous Emission -- References -- D. Calculation of the Radiative Transition Rates of Molecular Transitions -- E. Space-Dependent Rate Equations -- E.1. Four-Level Lasers -- E.2. Quasi-Three-Level Lasers -- F. Mode-Locking Theory: Homogeneous Line -- F.1. Active Mode Locking -- F.2. Passive Mode Locking -- References -- G. Propagation of a Laser Pulse through a Dispersive Medium or a Gain Medium -- Reference -- H.

Higher-Order Coherence -- I. Physical Constants and Useful Conversion Factors -- Answers to Selected Problems -- Inder.

Sommario/riassunto

This book is motivated by the very favorable reception given to the previous editions as well as by the considerable range of new developments in the laser field since the publication of the third edition in 1989. These new developments include, among others, quantum-well and muitiple-quantum-welliasers, diode-pumped solid-state lasers, new concepts for both stable and unstable resonators, femtosecond lasers, ultra-high-brightness lasers, etc. This edition thus represents a radically revised version of the preceding edition, amounting essentially to a new book in its own right. However, the basic aim has remained the same, namely to provide a broad and unified description of laser behavior at the simplest level which is compatible with a correct physical understanding. The book is therefore intended as a textbook for a senior-level or first-year graduate course and/or as a reference book. The most relevant additions or changes to this edition can be summarized as follows: 1. A much-more detailed description of Amplified Spontaneous Emission has been given (Chapter 2) and a novel simplified treatment of this phenomenon, both for homogeneous and inhomogeneous lines, has been introduced (Appendix C). 2. A major fraction of a new chapter (Chapter 3) is dedicated to the interaction of radiation with semiconductor media, either in a bulk form or in a quantum-confined structure (quantum-well, quantum-wire and quantum dot). 3.