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Autore	Powaski Ronald E.
Titolo	March to Armageddon : the United States and the nuclear arms race, 1939 to the present / / Ronald E. Powaski
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Descrizione fisica	1 online resource (311 p.)
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Soggetti	Nuclear weapons Arms race - History - 20th century Electronic books. United States Defenses
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; 1. Roosevelt and the Manhattan Project, 1939-1945; 2. Truman, Hiroshima, and Nagasaki, 1945; 3. Truman and International Control of the Atom, 1945-1947; 4. Truman, the Cold War, and the Hydrogen Bomb, 1947-1952; 5. Eisenhower and Massive Retaliation, 1953-1961; 6. Eisenhower and Nuclear Arms Control, 1953-1961; 7. Kennedy, Nuclear Weapons, and the Limited Test Ban Treaty, 1961-1963; 8. Johnson, Nuclear Weapons, and the Pursuit of SALT, 1963-1969; 9. Nixon and SALT I, 1969-1972; 10. Nixon, Ford, and the Decline of Detente, 1972-1977; 11. Carter and SALT II, 1977-1981 12. Reagan and the ""Rearmament"" of America, 1981-198313. Reagan and Nuclear Arms Talks, 1981 to the Present; Conclusion; Glossary of Acronyms and Technical Terms; Notes; Suggested Readings; Index
Sommario/riassunto	This book traces the evolution of the nuclear arms race from its origin in Roosevelt's decision to develop an atomic bomb to Reagan's decision to continue its expansion in the 1980s.

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Autore	Ungar Abraham A
Titolo	Analytic hyperbolic geometry and Albert Einstein's special theory of relativity [[electronic resource] /] / Abraham Albert Ungar
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Nota di contenuto	Contents; Preface; Acknowledgements; 1. Introduction; 1.1 A Vector Space Approach to Euclidean Geometry and A Gyrovector Space Approach to Hyperbolic Geometry; 1.2 Gyrolanguage; 1.3 Analytic Hyperbolic Geometry; 1.4 The Three Models; 1.5 Applications in Quantum and Special Relativity Theory; 2. Gyrogroups; 2.1 Definitions; 2.2 First Gyrogroup Theorems; 2.3 The Associative Gyropolygonal Gyroaddition; 2.4 Two Basic Gyrogroup Equations and Cancellation Laws; 2.5 Commuting Automorphisms with Gyroautomorphisms; 2.6 The Gyrosemidirect Product Group; 2.7 Basic Gyration Properties 3. Gyrocommutative Gyrogroups3.1 Gyrocommutative Gyrogroups; 3.2 Nested Gyroautomorphism Identities; 3.3 Two-Divisible Two-Torsion Free Gyrocommutative Gyrogroups; 3.4 From M obius to Gyrogroups; 3.5 Higher Dimensional M obius Gyrogroups; 3.6 M obius gyrations; 3.7 Three-Dimensional M obius gyrations; 3.8 Einstein Gyrogroups; 3.9 Einstein Coaddition; 3.10 PV Gyrogroups; 3.11 Points and Vectors in a Real Inner Product Space; 3.12 Exercises; 4. Gyrogroup Extension; 4.1 Gyrogroup Extension; 4.2 The Gyroinner Product, the Gyronorm, and the Gyroboost; 4.3 The Extended Automorphisms 4.4 Gyrotransformation Groups4.5 Einstein Gyrotransformation Groups;

4.6 PV (Proper Velocity) Gyrotransformation Groups; 4.7 Galilei Transformation Groups; 4.8 From Gyroboosts to Boosts; 4.9 The Lorentz Boost; 4.10 The (p :q)-Gyromidpoint; 4.11 The (p1 :p2 :...: pn)-Gyromidpoint; 5. Gyrovectors and Cogyrovectors; 5.1 Equivalence Classes; 5.2 Gyrovectors; 5.3 Gyrovector Translation; 5.4 Gyrovector Translation Composition; 5.5 Points and Gyrovectors; 5.6 The Gyroparallelogram Addition Law; 5.7 Cogyrovectors; 5.8 Cogyrovector Translation; 5.9 Cogyrovector Translation Composition
5.10 Points and Cogyrovectors5.11 Exercises; 6. Gyrovector Spaces; 6.1 Definition and First Gyrovector Space Theorems; 6.2 Solving a System of Two Equations in a Gyrovector Space; 6.3 Gyrolines and Cogyrolines; 6.4 Gyrolines; 6.5 Gyromidpoints; 6.6 Gyrocovariance; 6.7 Gyroparallelograms; 6.8 Gyrogeodesics; 6.9 Cogyrolines; 6.10 Carrier Cogyrolines of Cogyrovectors; 6.11 Cogyromidpoints; 6.12 Cogyrogeodesics; 6.13 Various Gyrolines and Cancellation Laws; 6.14 M obius Gyrovector Spaces; 6.15 M obius Cogyroline Parallelism; 6.16 Illustrating the Gyroline Gyration Transitive Law
6.17 Turning the M obius Gyrometric into the Poincar e Metric6.18 Einstein Gyrovector Spaces; 6.19 Turning Einstein Gyrometric into a Metric; 6.20 PV(ProperVelocity) Gyrovector Spaces; 6.21 Gyrovector Space Isomorphisms; 6.22 Gyrotriangle Gyromedians and Gyrocentroids; 6.22.1 In Einstein Gyrovector Spaces; 6.22.2 In M obius Gyrovector Spaces; 6.22.3 In PV Gyrovector Spaces; 6.23 Exercises; 7. Rudiments of Differential Geometry; 7.1 The Riemannian Line Element of Euclidean Metric; 7.2 The Gyroline and the Cogyroline Element; 7.3 The Gyroline Element of M obius Gyrovector Spaces
7.4 The Cogyroline Element of M obius Gyrovector Spaces

Sommario/riassunto

This book presents a powerful way to study Einstein's special theory of relativity and its underlying hyperbolic geometry in which analogies with classical results form the right tool. It introduces the notion of vectors into analytic hyperbolic geometry, where they are called gyrovectors. Newtonian velocity addition is the common vector addition, which is both commutative and associative. The resulting vector spaces, in turn, form the algebraic setting for the standard model of Euclidean geometry. In full analogy, Einsteinian velocity addition is a gyrovector addition, which is both