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Nota di contenuto	Frontmatter -- Preface and Guide to the Literature -- Contents -- §1. Projective Modules and K_0 -- §2 . Constructing Projective Modules -- §3. The Whitehead Group K_1 -- §4. The Exact Sequence Associated with an Ideal -- §5. Steinberg Groups and the Functor K_2 -- §6. Extending the Exact Sequences -- §7. The Case of a Commutative Banach Algebra -- §8. The Product $K_1 \ K_1 \ K_2$ -- §9. Computations in the Steinberg Group -- §10. Computation of $K_2\mathbb{Z}$ -- §11. Matsumoto's Computation of K_2 of a Field -- 12. Proof of Matsumoto's Theorem -- §13. More about Dedekind Domains -- §14. The Transfer Homomorphism -- §15. Power Norm Residue Symbols -- §16. Number Fields -- Appendix. Continuous Steinberg Symbols -- Index
Sommario/riassunto	Algebraic K-theory describes a branch of algebra that centers about two functors. K_0 and K_1 , which assign to each associative ring an abelian group K_0 or K_1 respectively. Professor Milnor sets out, in the present work, to define and study an analogous functor K_2 , also from associative rings to abelian groups. Just as functors K_0 and K_1 are important to geometric topologists, K_2 is now considered to have similar topological applications. The exposition includes, besides K-theory, a considerable amount of related arithmetic.

