1. Record Nr. UNINA9910818938803321

Autore	Duskin John Williford <1937->
Titolo	Simplicial methods and the interpretation of "triple" cohomology / / J. Duskin
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [1975] ©1975
ISBN	1-4704-0645-4
Descrizione fisica	1 online resource (145 p.)
Collana	Memoirs of the American Mathematical Society ; ; volume 3, issue 2, number 163 (November 1975)
Disciplina	512/.55
Soggetti	Categories (Mathematics) Triples, Theory of Complexes, Semisimplicial Homology theory
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.
Nota di contenuto	""TABLE OF CONTENTS""; ""ABSTRACT""; ""DEDICATION""; ""INTRODUCTION""; ""0. SIMPLICIAL OBJECTS IN CATEGORIES""; ""0.7 Verdier's Coskeleton Functor""; ""0.8 Simplicial Kernels""; ""0.11 Augmented Complexes (alternate descriptions)""; ""0.12 Contractible and Split Complexes""; ""0.13 The Augmented Coskeleton Functor""; ""0.14 Stripping or Shift Functor Dec[sup(1)]""; ""0.15 The Adjoint Pair (+,Dec[sup(1)])""; ""0.17 Nerve of a Category""; ""0.19 Homology and Cohomology""; ""1. SIMPLICIAL AND COTRIPLE COHOMOLOGY""; ""1.1 Cotriple Cohomology""; ""1.2 Non-Homogeneous Complex"" ""1.3 Triple Cohomology""""1.4 k-Boundary Systems""; ""1.5 Differential of a k-Boundary System and Cochain Reduction""; ""2. U-SPLIT AUGMENTED COMPLEXES AND THE STANDARD RESOLUTION""; ""2.6 k-Boundary System Defined by a U-Split Complex""; ""2.7 Naturality of k-Boundary Systems""; ""3. HOMOTOPY REPRESENTABILITY OF SIMPLICIAL AND COTRIPLE COHOMOLOGY -- THE EILENBERG-MAC LANE COMPLEXES K(a??, n)""; ""3.1 Definition of the Complex L(a??,n)""; ""3.2 Definition of the Complex K(a??,n)""; ""3.7 Corollary (Homotopy Representability of H[sup(n)](X.; a??))""

""3.8 Corollary (Homotopy Representability of H[sup(n)][sub(G)](X.a??)"";
""3.9 Definition of the n-th cohomology groupoid H[sup(n)](X.; a??)"";
""4. K(a??,n)-T0RS0RS"";
""4.3 Morphisms of n-Torsors"";
""4.4 Change of Base"";
""4.5 Identification of K(a??,1)-torsors above X with principal a??-objects (i.e. a??-torsors) above X"";
""5. THE CHARACTERISTIC COCYCLE MAPPING Z[sup(n)][sub(G)]"";
""5.3 Functoriality of Z[sup(n)] on the Subcategory of Quasi-Coherent Morphisms"";
""6. STANDARD K(a??,n)-T0RS0R DEFINED BY AN n-COCYCLE"";
""6.1 The Standard Resolution of a a??-Algebra""
""6.2 Cocycle Formulae""""6.3 Twisted Product Algebra Defined By a 1-Cocycle"";
""6.6.2 Alternative (Quotient) Construction of the Twisted Product Algebra Defined by a 1-cocycle"";
""6.7 Construction of the Standard K(a??,n)-Torsor Above X Defined by an n-cocycle"";
""6.8 Functor iality of S[sup(n)](X; a??)"";
""7. THE INTERPRETATION ADJUNCTIONS"";
""7.2 The Canonical Map S[sup(n)](Z[sup(n)](X.)) a?? X."";
""7.7 Proof That the Canonical Map f : (S[sup(n)](Z[sup(n)](X.)))[sub(n-1)] a?? (X.)[sub(n-1)] Is a Morphism of a??-Algebras"";
""8. THE INTERPRETATION BIJECTIONS (FIRST CONCLUSIONS)""
""8.9 Theorem (Interpretation of Cotriple Cohomology)""""APPENDIX. TRIPLES, ALGEBRAS, AND TRIPLEABILITY"";
""A.2 Example: Triple Defined by a Pair of Adjoint Functors"";
""A.4 The Comparison Functor"";
""A.7 Properties"";
""A.8 Inverse Limits"";
""A.9 Tripleability Over (ENS)-Universal Algebras"";
""BIBLIOGRAPHY""