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| 1. Record Nr.           | UNISA996466625803316                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Titolo                  | Algebraic topology : homotopy and group cohomology : proceedings of the 1990 Barcelona Conference on Algebraic Topology, held in S. Feliu de Guixols, Spain, June 6-12, 1990 / / J. Aguade, Manuel Castellet, Frederick R. Cohen, editors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Pubbl/distr/stampa      | Berlin : , : Springer-Verlag, , [1992]<br>©1992                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ISBN                    | 3-540-46772-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Edizione                | [1st ed. 1992.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Descrizione fisica      | 1 online resource (X, 334 p.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Collana                 | Lecture notes in mathematics (Springer-Verlag) ; ; 1509                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Disciplina              | 514.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Soggetti                | Algebraic topology<br>Homology theory<br>Homotopy theory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Note generali           | Bibliographic Level Mode of Issuance: Monograph                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Nota di contenuto       | On the geometry and cohomology of finite simple groups -- Resolutions and Poincaré duality for finite groups -- Groups and spaces with all localizations trivial -- More examples of non-cancellation in homotopy -- On sub- $A^*p$ -algebras of $H^*V$ -- The classification of 3-manifolds with spines related to Fibonacci groups -- Algorithm for the computation of the cohomology of $\pi$ -groups -- Remarks on the homotopy theory associated to perfect groups -- Homotopy localization and $V$ 1-periodic spaces -- The modulo 2 cohomology algebra of the wreath product $\mathbb{Z}/p \wr X$ -- Lannes' division functors on summands of $H^*(B(\mathbb{Z}/p)r)$ -- Classes homotopiques associees a une $G$ -operation -- A note on the Brauer lift map -- Categorical models of $N$ -types for pro-crossed complexes and $\pi$ -prospaces -- Morava $K$ -theories of classifying spaces and generalized characters for finite groups -- Classifying spaces of compact simple lie groups and $p$ -tori -- On parametrized Borsuk-Ulam theorem for free $\mathbb{Z}/p$ -action -- Réalisation topologique de certaines algèbres associées aux algèbres de Dickson / Topological realisation of certain algebras associated to the Dickson algebras -- Normalized operations in |

cohomology -- Concise tables of James numbers and some homotopy of classical Lie groups and associated homogeneous spaces -- An example of a stable splitting: The classifying space of the 4-dim unipotent group -- On the homotopy uniqueness of  $BU(2)$  at the prime 2 -- On infinite dimensional spaces that are rationally equivalent to a Bouquet of spheres -- Cohomologically central elements and fusion in groups -- Rational homotopy of the space of homotopy equivalences of a flag manifold -- Rational cohomology and homotopy of spaces with circle action -- On the action of Steenrod powers on polynomial algebras.

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#### Sommario/riassunto

The papers in this collection, all fully refereed, original papers, reflect many aspects of recent significant advances in homotopy theory and group cohomology. From the Contents: A. Adem: On the geometry and cohomology of finite simple groups.- D.J. Benson: Resolutions and Poincaré duality for finite groups.- C. Broto and S. Zarati: On sub- $A^*$ -algebras of  $H^*V$ .- M.J. Hopkins, N.J. Kuhn, D.C. Ravenel: Morava  $K$ -theories of classifying spaces and generalized characters for finite groups.- K. Ishiguro: Classifying spaces of compact simple Lie groups and  $p$ -tori.- A.T. Lundell: Concise tables of James numbers and some homotopy of classical Lie groups and associated homogeneous spaces.- J.R. Martino: An example of a stable splitting: the classifying space of the 4-dim unipotent group.- J.E. McClure, L. Smith: On the homotopy uniqueness of  $BU(2)$  at the prime 2.- G. Mislin: Cohomologically central elements and fusion in groups.

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