

1. Record Nr.	UNINA9910788654803321
Titolo	Homotopy methods in algebraic topology : proceedings of an AMS-IMS-SIAM Joint Summer Research Conference, University of Colorado, Boulder, June 20-24, 1999 / J.P.C. Greenlees, with assistance from Robert R. Bruner, Nicholas Kuhn, editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [2001] ©2001
ISBN	0-8218-7861-1 0-8218-2621-2
Descrizione fisica	1 online resource (369 p.)
Collana	Contemporary mathematics, , 0271-4132 ; ; 271
Disciplina	514.2
Soggetti	Algebraic topology Homotopy 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	""Contents""; ""Preface""; ""Speakers""; ""Participants""; ""Conference photo""; ""A brief introduction to the work of J. Peter May, on the occasion of his 60th birthday""; ""Mathematical ancestry of J. Peter May""; ""On the Adams E2-term for elliptic cohomology""; ""Mapping class groups and function spaces""; ""Extended powers of manifolds and the Adams spectral sequence""; ""Centers and Coxeter elements""; ""On the homotopy type of the loops on a 2-cell complex""; ""Rational SO(3)-equivariant cohomology theories""; ""1. Introduction.""; ""2. The closed subgroups of $SO(3)$ ."" ""3. Burnside splitting.""; ""4. Stable isotropy groups.""; ""5. Free G-spectra.""; ""6. Reduction to normalizers.""; ""7. The algebraic model of the category of $(G, c)$ -spectra.""; ""8. The fibres.""; ""9. Mackey functors.""; ""10. The ordinary part of the model.""; ""11. Reduction to the Weyl group.""; ""References""; ""On the K-theory of nilpotent endomorphisms""; ""The Ext0-term of the real-oriented Adams-Novikov spectral sequence""; ""Toral groups and classifying spaces of $p$ -compact groups""; ""Stable splittings and the diagonal""; ""Dual calculus for functors to spectra""

""The triple loop space approach to the telescope conjecture""";  
"The telescope conjecture and Bousfield localization";  
"1.1. Telescopes";  
"1.2. Bousfield localization and Bousfield classes";  
"1.3. The telescope conjecture";  
"1.4. Some other open questions";  
"2. Some variants of the Adams spectral sequence";  
"2.1. The classical Adams spectral sequence";  
"2.2. The Adams-Novikov spectral sequence";  
"2.3. The localized Adams spectral sequence";  
"2.4. The Thomified Eilenberg-Moore spectral sequence";  
"2.5. Hopf algebras and localized Ext groups"

"3. The spectra  $y(n)$  and  $Y(n)$ ";  
"3.1. The EHP sequence and some Thorn spectra";  
"3.2. The homotopy of  $Lny(n)$  and  $Y(n)$ ";  
"3.3. The triple loop space";  
"4. Properties of  $I \odot_3 S^1 + 2P_n$ ";  
"4.1. The Snaith splitting";  
"4.2. Ordinary homology";  
"4.3. Morava K-theory";  
"4.4. The computation of  $Y(n)^*(I \odot_3 S^1 + 2P_n)$  via the Eilenberg-Moore spectral sequence";  
"5. Toward a proof of the differentials conjecture";  
"5.1. The  $E_2$ -term of the localized Thomified Eilenberg-Moore spectral sequence";  
"5.2. Short differentials";  
"5.3. Excluding spurious differentials";  
"References"

---