

# Contents

Preface .....	vii
J. AGUADÉ, C. BROTO, AND LAIA SAUMELL The Functor $T$ and the Cohomology of Mapping Spaces .....	1
M.F. ANTON On Morava $K$ -theories of an $S$ -arithmetic Group .....	21
S. BETLEY Ext Groups for the Composition of Functors .....	31
D. BLANC Homotopy Operations and Rational Homotopy Type .....	47
R.L. COHEN, J.D.S. JONES AND JUN YAN The Loop Homology Algebra of Spheres and Projective Spaces .....	77
F.R. COHEN AND J. WU On Braid Groups, Free Groups, and the Loop Space of the 2-sphere .....	93
D.M. DAVIS The $K$ -completion of $E_6$ .....	107
P. GOERSS, H.-W. HENN AND M. MAHOWALD The Homotopy of $L_2V(1)$ for the Prime 3 .....	125
M. GOLASIŃSKI AND D.L. GONÇALVES Spherical Space Forms – Homotopy Types and Self-equivalences .....	153
L. HODGKIN AND P.A. ØSTVÆR The Homotopy Type of Two-regular $K$ -theory .....	167
D.C. ISAKSEN Strict Model Structures for Pro-categories .....	179
N. IWASE AND M. MIMURA L-S Categories of Simply-connected Compact Simple Lie Groups of Low Rank .....	199

N.J. KUHN	
The McCord Model for the Tensor Product of a Space and a Commutative Ring Spectrum .....	213
A. LAZAREV	
Spaces of Multiplicative Maps between Highly Structured Ring Spectra .....	237
T. PANOV, N. RAY AND R. VOGT	
Colimits, Stanley-Reisner Algebras, and Loop Spaces .....	261
D. YAU	
Maps to Spaces in the Genus of Infinite Quaternionic Projective Space .....	293