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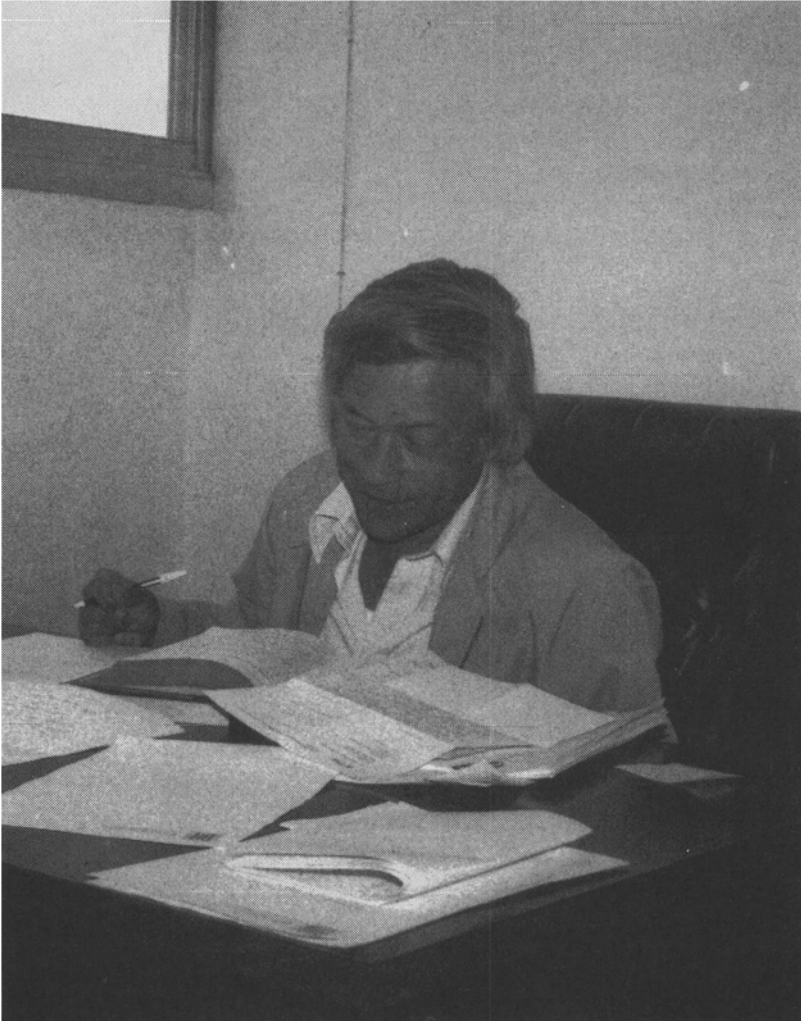
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Alexander Zabrodsky

The second Barcelona Conference on Algebraic Topology was held April 2-8 1986 at the Institut d'Estudis Catalans, Barcelona. The organizing committee was formed by J. Aguadé, M. Castellet, J. Hubbuck, I. James and R. Kane. Titles of the talks delivered at the conference as well as a list of participants are given below. These Proceedings contain transcripts of some of the conference talks as well as related papers. All papers were refereed.

Alex Zabrodsky was one of the invited speakers at the conference. It was one of the last conferences he attended. For he died in an automobile accident in New York State in November 1986. A true memorial volume dedicated to Alex will appear in the Israel Journal of Mathematics (of which he was an editor). However we felt it would be inexcusable if these Proceedings did not also record the great sorrow felt by Alex's colleagues at his death. We miss him greatly. We have dedicated the Proceedings to his memory.

J. Aguadé

R. Kane

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U. Würgler (Bern)
A. Zabrodsky (Jerusalem)
S. Zarati (Tunis)

TITLES OF TALKS
(in chronological order)

Main Talks

- S. Priddy "On stable splittings of spaces associated with Chevalley groups"
- L. Smith "Chern classes and invariant theory of finite groups"
- R. Wood "Splitting the suspension of products of CP^∞ "
- G. Mislin "The homotopy classification of self-maps of infinite quaternionic projective space"
- A. Zabrodsky "Some applications of the Sullivan conjecture"
- J. Lannes "On the structure of the U-injectives"
- J. Jones "Products in cyclic cohomology and the Chern character"
- M. Audin "V.I. Arnold's cobordism groups of Lagrange immersions"
- J. Neisendorfer "Fibrewise localisation"
- C. Wilkerson "Homotopy uniqueness of classifying spaces"
- J. Harper "Cogroups which are not suspensions"
- A. Kono "The mod 2 cohomology ring of quotients of compact Lie groups by maximal tori"
- S. Mitchell "A stable decomposition of the loops on $SU(n)$ "
- J.F. Adams "Exposition of recent work of M.J. Hopkins"
- S. Stolz "Involutions of spheres and Mahowald's root invariant"

Short communications

- A. Dold "Ramified coverings, orbit projections and symmetric powers"
- E. Dror "Equivariant function complexes"
- H. Scheerer "Tame homotopy theory"
- C. McGibbon "Classifying spaces of the same n-type for all n"
- L. Rubin "Current trends in dimension theory"
- U. Würgler "Reduced power operations in Morava K-theory"

- L. Schwartz "About cohomology of iterated loop spaces and a conjecture of Serre"
- J.M. Moller "Section spaces"
- M. Mimura "Examples of A_n -spaces"
- A. Assadi "Some applications of modular representation theory to homotopy theory"
- M.C. Crabb "Remarks on the stable splitting theorems of Snaith and Miller"
- Z. Wojtkowiak "On maps from $B\pi$ into X "
- P.S. Pacheco " K_i -obstructions to factoring an open manifold"
- K. Hardie "The homotopy category of homotopy factorisations"
- N.D. Gilbert "On the cat^n -group of n -cubes of spaces"
- A.J. Berrick "McLain groups and Eilenberg-MacLane spaces"
- M. Raussen "Deformations, circle actions on rational homotopy types, and symmetries on manifolds"
- L.J. Hernández "On the proper homotopy classification problem"
- A. Naoum "On semi-free circle actions on homotopy spheres"
- S. Illman "Reduction of the transformation groups in equivariant CW complexes and equivariant homotopy type: Applications to pointwise skeletal approximations of G -maps"
- H. Glover "Cycle assignment and graph embedding"
- A. Baker "Towards E_*BSU "
- S. Zarati "Unstable algebras over the Steenrod algebra"

TABLE OF CONTENTS

M. Audin,	
Classes Caractéristiques Lagrangiennes	1
A. Baker,	
Combinatorial and Arithmetic Identities Based on Formal Group Laws	17
M.C. Crabb,	
On the Stable Splitting of $U(n)$ and $\Omega U(n)$	35
E. Dror Farjoun; A. Zabrodsky,	
The Homotopy Spectral Sequence for Equivariant Function Complexes	54
W.G. Dwyer; G. Mislin,	
On the Homotopy Type of the Components of $\text{map}_*(BS^3, BS^3)$	82
W.G. Dwyer; H.R. Miller; C.W. Wilkerson,	
The Homotopy Uniqueness of BS^3	90
W. Dwyer; A. Zabrodsky,	
Maps Between Classifying Spaces	106
B. Eckmann,	
Nilpotent Group Action and Euler Characteristic	120
N.D. Gilbert,	
On the Fundamental Cat^n -Group of an n -Cube of Spaces	124
H.H. Glover,	
Coloring Maps on Surfaces	140
P. Goerss; L. Smith; S. Zarati,	
Sur les A -Algèbres Instables	148
K.A. Hardie; K.H. Kamps,	
The Homotopy Category of Homotopy Factorizations	162
L.J. Hernández,	
Proper Cohomologies and the Proper Classification Problem	171
A. Kono; K. Ishitoya,	
Squaring Operations in Mod 2 Cohomology of Quotients of Compact Lie Groups by Maximal Tori	192

J. Lannes; L. Schwartz, On the Structure of the U-Injectives	207
S.A. Mitchell, The Bott Filtration of a Loop Group	215
Z. Wojtkowiak, On Maps from HolimF to Z	227
R.M.W. Wood, Splitting $\Sigma(\mathbb{C}P^\infty \times \dots \times \mathbb{C}P^\infty)$ and the Action of Steenrod Squares Sq^i on the Polynomial Ring $F_2[x_1, \dots, x_n]$	237