

CONTENTS

The role of nearness spaces in topology by H.L.Bentley .....	1
Un théorème d'inversion locale by F.Berquier .....	23
Charaktergruppen von Gruppen von $S^1$ -wertigen stetigen Funktionen by E.Binz .....	43
Some cartesian closed topological categories of convergence spaces by G.Bourdaud .....	93
Topological functors and structure functors by G.C.L.Brüümmer .....	109
An external characterization of topological functors by G.C.L.Brüümmer and R.-E.Hoffmann .....	136
Homotopy and Kan extensions by A.Calder and J.Siegel .....	152
Tensor products of functors on categories of Banach spaces by J.Cigler .....	164
Duality of compactological and locally compact groups by J.B.Cooper and P.Michor .....	188
Products and sums in the category of frames by C.H.Dowker and Dona Strauss .....	203
Categorical methods in dimension theory by R.Dyckhoff .....	220
Envelopes on the category of Kakutani-M-spaces by J.Flachsmeyer .....	243

Compactly generated spaces and duality by A.Frölicher .....	254
Some topological theorems which fail to be true by H.Herrlich .....	265
Topological functors admitting generalized Cauchy-completions by R.-E.Hoffmann .....	286
An external characterization of topological functors by R.-E.Hoffmann and G.C.L.Brümmer .....	136
Category theoretical methods in topological algebra by K.H.Hofmann .....	345
Lattices of reflections and coreflections in continuous structures by M.Hušek .....	404
Pro-categories and shape theory by S.Mardesić .....	425
A note on the inverse mapping theorem of F.Berquier by P.Michor .....	435
Duality of compactological and locally compact groups by P.Michor and J.B.Cooper .....	188
Cartesian closed topological categories by L.D.Nel .....	439
Epireflective categories of Hausdorff spaces by P.Nyikos .....	452
Categorical problems in minimal spaces by J.R.Porter .....	482
Some outstanding problems in topology and the V-process by M.Rajagopalan .....	501

Nearness and metrization by H.-Chr.Reichel .....	518
Reflective subcategories and closure operators by S.Salbany .....	548
Compactness theorems by M.Schroder .....	566
Differential calculus and cartesian closedness by U.Seip .....	578
Homotopy and Kan extensions by J.Siegel and A.Calder .....	152
Products and sums in the category of frames by Dona Strauss and C.H.Dowker .....	208
Perfect sources by G.E.Strecker .....	605
Espaces fonctionnels et structures syntopogènes by D.Tanré .....	625
Filters and uniformities in general categories by S.J.R.Vorster .....	635
Categories of topological transformation groups by J.de Vries .....	654
On monoidal closed topological categories I by M.B.Wischnewsky .....	676
On topological algebras relative to full and faithful dense functors by M.B.Wischnewsky .....	688
Are there topoi in topology? by O.Wyler .....	699