

Contents

Life and work of Eduard Čech. <i>By M. Katětov, J. Novák and A. Švec</i>	9
Bibliography of E. Čech	21
Čech-Stone Compactification. <i>By P. Simon</i>	26
E. ČECH, On Bicompact Spaces, <i>Annals of Mathematics</i> 38, 1937	38
B. POSPÍŠIL, Remark on Bicompact Spaces, <i>Annals of Mathematics</i> 38, 1937	60
I. GELFAND AND A. KOLMOGOROFF, On Rings of Continuous Functions on Topological Spaces, <i>Comptes Rendus (Doklady) de l'Académie des Sciences de l'URSS</i> 22, 1939	62
I. GLICKSBERG, Stone-Čech Compactifications of Products, <i>Transactions of Amer. Math. Soc.</i> 90, 1959	67
W. RUDIN, Homogeneity Problems in the Theory of Čech Compactifications, <i>Duke Math. J.</i> 23, 1956	81
I. I. PAROVIČENKO, On a Universal Bicompleteum of Weight \aleph_0 , <i>Doklady Akad. Nauk. SSSR</i> 150, 1963. (<i>Translated from Russian by P. Si- mon</i>)	93
Z. FROLÍK, Non-Homogeneity of $\beta P - P$, <i>Comment. Math. Univ. Carolinae</i> 8, 1967	97
K. KUNEN, Weak P -points in N^* , <i>Colloquia Math. Soc. J. Bolyai</i> 23, 1978	100
Dimension Theory. <i>By M. Katětov</i>	109
E. ČECH, On the Dimension of Perfectly Normal Spaces, <i>Bull. Intern. Acad. Tcheque Sci.</i> 33, 1932. (<i>Translated from French by J. Vanžura</i>)	130
E. ČECH, Contribution to Dimension Theory, <i>Časopis Pěst. Mat. Fys.</i> 62, 1933. (<i>Translated from Czech by P. Simon</i>)	149
O. V. LOKUCIEVSKIJ, On the Dimension of Bicompletea, <i>Doklady Akad. Nauk SSSR</i> 67, 1949. (<i>Translated from Russian by P. Simon</i>)	161
C. H. DOWKER, Inductive Dimension of Completely Normal Spaces, <i>Quart. J. Math. Oxford Ser. (2)</i> 4, 1953	165
C. H. DOWKER AND W. HUREWICZ, Dimension of Metric Spaces, <i>Funda- menta Mathematicae</i> 43, 1956	178

P. VOPĚNKA, On the Dimension of Compact Spaces, Czechoslovak Math. J. 8, 1958. (<i>Translated from Russian by P. Simon</i>)	184
V. V. FILIPPOV, Bicomacta with Distinct Dimensions ind and dim, Doklady Akad. Nauk. SSSR 192, 1970. (<i>Translated from Russian by P. Simon</i>)	191
E. POL AND R. POL, A Hereditarily Normal Strongly Zero-Dimensional Space with a Subspace of Positive Dimension and an N -Compact Space of Positive Dimension, Fundamenta Mathematicae 97, 1977 ..	196
M. G. CHARALAMBOUS, Spaces with Noncoinciding Dimensions, Proceedings of Amer. Math. Soc. 94, 1985	204
Algebraic Topology. By E. G. Sklyarenko	213
E. ČECH, General Homology Theory in an Arbitrary Space, Fundamenta Mathematicae 10, 1932. (<i>Translated from French by J. Vanžura</i>) ...	231
E. ČECH, Betti Groups of an Infinite Complex, Fundamenta Mathematicae 25, 1935. (<i>Translated from French by J. Vanžura</i>)	256
E. ČECH, Multiplications On a Complex, Annals of Math. 37, 1936	265
S. LEFSCHETZ, On Generalized Manifolds, American J. of Math. 55, 1933 ..	282
C. H. DOWKER, Čech Cohomology Theory and the Axioms, Annals of Math. 51, 1950	318
Differential Geometry. By I. Kolář	333
E. ČECH, On the Surfaces All Segre Curves of Which Are Plane Curves, Publ. Fac. Sci. Univ. Masaryk 11, 1922. (<i>Translated from French by J. Vanžura</i>)	357
E. ČECH, Developable Transformations of Line Congruences, Czechoslovak Math. J. 6, 1956. (<i>Translated from French by J. Vanžura</i>)	393
A. ŠVEC, On the Differential Geometry of a Surface Embedded in a Three Dimensional Space With Projective Connection, Czechoslovak Math. J. 11, 1961. (<i>Translated from French by J. Vanžura</i>)	416
I. KOLÁŘ, Order of Holonomy of a Surface With Projective Connection, Časopis Pěst. Mat. 96, 1971	428
B. CENKL, Geometric Deformations of the Evolution Equations and Bäcklund Transformations, Physica 18D, 1986	436
Professor Čech and Didactics of Mathematics. By E. Kraemer	439
Subject Index	442
Acknowledgement	444