

M. G. CHARALAMBOUS

CURRICULUM VITAE

Degrees B.Sc. in Mathematics, University of London, 1968
 Ph.D. in Topology, University of London, 1971

Research interests

General Topology, especially Dimension Theory, Inverse Limits, Compactifications, Frames.

Appointments

Having served for some twenty years in various University posts in Nigeria and Kenya, the author came to the University of the Aegean in September 1992.

Publications

1. *Dimension Theory for σ -frames*, J. London Math. Soc. (2)8 (1974), 149–160. MR 50#1218
2. *A new covering dimension function for Uniform Spaces*, J. London Math., Soc (2) 11 (1975), 137–143. MR 51#11454
3. *Inductive Dimension Theory for Uniform Spaces*, Ann. University Sci. Budapest Eötvös Sect. Math. 17 (1974), 21–28. MR #13876
4. *Two new inductive dimension functions for topological spaces*, Ann. University Sci. Budapest Eötvös Sect. Math. 18 (1975), 15–25. MR 54#8590
5. *Spaces with increment of dimension n* , Fund. Math. 93 (1976), 97–107. MR 55#6387
6. *The dimension of inverse limits*, Proc. Amer. Math. Soc. 58 (1976), 289–95. MR 53#14443
7. *Axiomatic characterization of dimension*, Matematika 23 (1976), 84–88. MR 54#3668

8. *A note on the dimension of products*, Proc. Fourth Prague Topological Symposium (1977), 70–71. MR 58#12946
9. *A note on analytic dimension*, J. London Math. Soc. (2) 17 (1978), 545–546. MR 58#2752
10. *A note on compactifiability of dimension functions*, Ann. Univ. Sci. Budapest Eötvös.Sect. Math. 22–23 (1979), 29–31. MR 82e:54040
11. *Compactifications with countable remainder*, Proc. Amer. Math. Soc. 78 (1980), 127–131. MR 80h:54030
12. *An example concerning inverse limit sequences of normal spaces*, Proc. Amer. Math. Soc. 78 (1980), 605–607. MR 81e:54032
13. *Inductive dimension and inverse sequences of compact spaces*, Proc. Amer. Math. Soc. 81 (1981), 482–484. MR 82b:54046
14. *Inverse limit and N -compact spaces*, Proc. Amer. Math. Soc. 85 (1982), 648–652. MR 84c:54062
15. *Spaces with non-coinciding dimensions*, Proc. Amer. Math. Soc. 94 (1985), 507–515. MR 86h:54041
16. *Semicompactness and dimension of increments*, Topology and Appl. 23 (1986), 153–161. MR 87i:54047
17. *The factorization theorem for paracompact Σ -spaces*, Comment. Math. Univ. Carolinae 29, 3 (1988), 411–420. MR 90i:54080
18. *Universal spaces for locally finite-dimensional Tychonoff Spaces*, Proc. Amer. Math. Soc., 106 (1989), 507–514. MR 89k:54084
19. *Further dimension theory of uniform spaces and applications*, Czech. Math. Journ. 41 (116) 1991, 378–394. MR 93i:54030, MR 95 errata.
20. *Approximate inverse systems of uniform spaces and an application of inverse systems*, Comment. Math. Univ. Carolinae, 32, 3 (1991), 551–565. MR 93h:54009
21. *Axiomatic characterizations of the dimension of metric spaces*, Topology and Appl. 60 (1994), 117–130. MR 95i:54036

22. *A note on the non-emptiness of the limit of approximate systems*, Comment. Math. Univ. Carolinae, 37 (1996), 155–157. MR 97f:540014
23. *A remark on a question of R.G. Woods concerning minimum uniform compactifications*, Fund. Math. 149 (1996), 287–288. MR 97a:54025
24. *The dimension of paracompact normal κ -frames*, Topology Proceedings, 20 (1995), 49–66. MR 98d:54065
25. *On transfinite inductive dimension and deficiency modulo a class \mathcal{P}* , Topology and Appl. 81 (1997), 123–135. MR 99b:54052
26. *A normal space Z with $\text{ind}Z = 1$ no compactification of which has transfinite dimension*, Topology Proceedings, 22 (1997), 95–101. MR 99g:54031
27. *A note on transfinite inductive dimension*, Questions and Answers in General Topology, 16 (1998), 73–76. MR 98k:54058
28. *A factorization theorem for the transfinite kernel dimension of metrizable spaces*, Fund. Math. 157 (1998), 79–84. MR 99b:54053
29. *A note on the relations between fractal and topological dimensions*, Questions and Answers in General Topology, 17 (1999), 9–16. MR 2000m:54038a
Correction, Q & A in General Topology, 18 (2000), 121. MR 2000m:54038b
30. *Notes on paracompact coreflections of frames*, Houston J. Math. 25 (1999), 311–326. MR 2000e:18003
31. *Constructing approximate inverse systems of metric spaces*, Tsukuba Math. J. 23 (1999), 435–446. MR 2001b:54015
32. *A factorization theorem for the transfinite kernel dimension of Tychonoff spaces*, Mathematica Japonica, 51 (2000), 429–432. MR 2001b:54043
33. *Strong nearness frames having enough Cauchy filters*, Applied Categorical Structures, 8 (2000), 639–648. MR 2001i:54005

34. *Direct constructions of paracompact coreflections of frames*, Applied Categorical Structures, 10 (2002), 521–530. MR 2003h:54012
35. (M.G. Charalambous and V.A. Chatyrko) *Notes on the inductive dimension Ind_0* , Topology Proceedings, 27 (2003), 395–410. MR 2005c:54027
36. (M.G. Charalambous, V.A. Chatyrko and Y. Hattori) *The behaviour of transfinite dimension functions on unions of closed subsets*, J. Math. Soc. Japan, 56 (2004), 489–501. MR 2005b:54060
37. *The dimension of metrizable subspaces of Eberlein compacta and Eberlein compactifications of metrizable spaces*, Fund. Math. 182 (2004), 41–52. MR2005i:54042
38. (M.G. Charalambous and V.A. Chatyrko) *Some estimates of the inductive dimensions of the union of two sets*, Topology Appl., 146–147 (2005), 227–238. MR2005g:54062
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40. *Resolving a question of Arhangel'skii's*, Fund. Math. 192 (2006), 67–76. MR2007m:54030
41. *The gap between the dimensions of countably paracompact spaces*, Topology Appl. 155 (2008) 2216–2220. MR2010b:54044
42. (M.G. Charalambous and J. Krzempek) *Rigid continua and transfinite inductive dimension*, Topology Appl. 157 (210), 1690–1702. MR2011h:54040
43. (M.G. Charalambous and J. Krzempek) *On dimensionsgrad, resolutions, and chainable continua*, Fund. Math. 209 (2010), 243–265. MR2011i:54031
44. (M.G. Charalambous and J. Krzempek) *On inductive dimension modulo a simplicial complex*, Topology Appl., to appear.