PUBLICATIONS LIST

Radu Miculescu

List of the most relevant papers included in the file

1. "*Lipscomb's space ω^A is the attractor of an infinite IFS containing affine transformations on $l^2(A)$*", **Proceedings of the American Mathematical Society**, Vol. 136, 587-592, 2008 (with Alexandru Mihail).

2. "*A generalization of the Hutchinson measure*", **Mediterranean Journal of Mathematics**, Vol. 6, 203-213, 2009 (with Alexandru Mihail).

3. "*Approximation of infinite dimensional fractals generated by integral equations*", **Journal of Computational and Applied Mathematics**, Vol. 234, 1417-1425, 2010 (with Ion Chitescu and Horia Georgescu).

4. "*On a family of IFSs whose attractors are not connected*", **Journal of Mathematical Analysis and Applications**, Vol. 376, 187-192, 2011 (with Alexandru Mihail).

5. "*Lipscomb's L(A) space fractalized in l^p(A)*", **Mediterranean Journal of Mathematics**, Vol. 3, 515-524, 2012 (with Alexandru Mihail).

6. "*Some connections between the attractors of an IIFS S and the attractors of the sub-IFSs of S*", **Fixed Point Theory and Applications ,** Vol. 2012, 2012:141, 11 pages, DOI: 10.1186/1687-1812-2012-141 (with Loredana Ioana). .

7. "*The independence of p of the Lipscomb's L(A) space fractalized in l^p(A)*", **Topology and its Applications**, Vol. 160, 241-250, 2013 (with Alexandru Mihail).

8. "*A characterization of compact operators via the non-connectedness of the attractors of a family of IFSs*", **Complex Analysis and Operator Theory**, Vol. 7, 1819-1830, 2013 (with Alexandru Mihail).

9. "*Alternative characterization of hyperbolic affine infinite iterated functions systems*", **Journal of Mathematical Analysis and Applications**, Vol. 407, 56-68, 2013 (with Alexandru Mihail).

10. "*Generalized iterated function systems with place dependent probabilities*", **Acta Applicandae Mathematicae**, accepted, DOI: 10.1007/s10440-013-9841-4.

Ph.D. thesis

R. Miculescu, „*Some contributions to the theory of Lipschitz functions*", University of Bucharest, 1999.

Patents and other titles of industrial property

Not applicable.

Books and book chapters

     1. "*Functii Lipschitz*", Editura Academiei Romane, Bucharest, 2004, ISBN 973-27-1061-6, 214 pages (with Cristinel Mortici).

     2. "*Approximation of fractals generated by Hammerstein-type operators*", chapter in Classification and Application of Fractals, Nova Science Publishers, ISBN 978-1-61324-198-1 (with Ion Chitescu and Horia Georgescu).

     3. "*Analiza functionala*; *Notiuni elementare*", Editura Universitatii Bucuresti, 2002, ISBN 973-575-700-1, 167 pages.

     4. "*O introducere in teoria seriilor cu elemente din spatii normate reale*", Editura Universitatii Bucuresti, 2009, ISBN 978-973-737-649-7, 122 pages.

     5. "*O introducere in teoria grupurilor topologice*", Editura Universitatii Bucuresti, 2009, ISBN 978-973-737-713-5, 152 pages (with Alexandru Mihail).

     6. "*Analiza Matematica (note de curs)*", Editura Universitatii Bucuresti, 2010, ISBN 978-973-737-867-5, 518 pages.

     7. "*Analiza Matematica. Teorie. Metode. Aplicatii*", Grupul Editorial ART, Bucharest, 2002 (with Ion Colojoara and Cristinel Mortici).

     8. "*Probleme de Calcul Integral*", Editura GIL, 2006 (with Corina Ciobotaru, Alexandru Rosoiu Alexandru, Narcisa Banda and Cezar Lupu).

Articles/studies in extenso, published in journals from the main international scientic flux

Articles in ISI journals

1. "*Some observations on generalized Lipschitz functions*", **Rocky Mountain Journal of Mathematics**, Vol.37, 893-903, 2007.

2. "*Lipscomb's space ω^A is the attractor of an infinite IFS containing affine transformations on $l^2(A)$*", **Proceedings of the American Mathematical Society**, Vol. 136, 587-592, 2008 (with Alexandru Mihail).

3. "*Applications of fixed point theorems in the theory of generalized IFS*", **Fixed Point Theory and Applications** , Volume 2008, Article ID 312876, 11 pages, doi: 10.1155/312876 (with Alexandru Mihail).

4. "*Approximation of fractals generated by Fredholm integral equations*", **Journal of Computational Analysis and Applications**, Vol. 11, 286-293, 2009 (with Ion Chitescu).

5. "*The shift space for an infinite iterated function system*", **Mathematical Reports,** Vol. 11 (61), 21-32, 2009 (with Alexandru Mihail).

6. "*A generalization of the Hutchinson measure*", **Mediterranean Journal of Mathematics**, Vol. 6, 203-213, 2009 (with Alexandru Mihail).

7. "*Generalized IFSs on noncompact spaces*", **Fixed Point Theory and Applications** **,** Volume 2010, Article ID 584215, 15 pages, doi:10.1155/2010/584215 (with Alexandru Mihail).

8. "*Approximation of infinite dimensional fractals generated by integral equations*", **Journal of Computational and Applied Mathematics**, Vol. 234, 1417-1425, 2010 (with Ion Chitescu and Horia Georgescu)

9. "*On a family of IFSs whose attractors are not connected*", **Journal of Mathematical Analysis and Applications**, Vol. 376, 187-192, 2011 (with Alexandru Mihail).

10. "*Lipscomb's L(A) space fractalized in l^p(A)*", **Mediterranean Journal of Mathematics**, Vol. 3, 515-524, 2012 (with Alexandru Mihail).

11. "Some connections between the attractors of an IIFS S and the attractors of the sub-IFSs of S", **Fixed Point Theory and Applications**, Vol. 2012, 2012:141, 11 pages, doi: 10.1186/1687-1812-2012-141 (with Loredana Ioana).

12. "*The independence of p of the Lipscomb's L(A) space fractalized in l^p(A)*", **Topology and its Applications**, Vol. 160, 241-250, 2013 (with Alexandru Mihail).

13. "*A characterization of compact operators via the non-connectedness of the attractors of a family of IFSs*", **Complex Analysis and Operator Theory**, Vol. 7, 2013, 1819-1830 (with Alexandru Mihail).

14. "*Alternative characterization of hyperbolic affine infinite iterated functions systems*", **Journal of Mathematical Analysis and Applications**, Vol. 407, 56-68, 2013 (with Alexandru Mihail).

15. "*Generalized iterated function systems with place dependent probabilities*", **Acta Applicandae Mathematicae**, accepted, doi: 10.1007/s10440-013-9841-4.

16. "*Sesquilinear uniform vector integral*", **Proceedings - Mathematical Sciences,** accepted (with Ion Chitescu, Loredana Ioana and Lucian Nita).

Other articles

17. "*O observatie asupra functiilor pozitive continue pe un grup topologic compact*", **Mathematical Reports**, Vol. 49, 85-87, 1997.

18. "*O observatie asupra functiilor coordonate*", **Mathematical Reports**, 3-4, Vol. 49, 211-215, 1997.

19. "*Equivalent definitions for a Lipschitz cone*", **Mathematical Reports**, 1-2, Vol. 50, 49-60, 1998.

20. "*Extensions of some locally Lipschitz maps*", **Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie**, Vol. 41 (89), 197-203, 1998.

21. "*Some Applications of LIP-Partition of Unity*", **Mathematical Reports**, Vol. 1 (51), 227-235, 1999.

22. "*Approximating Uniformly Continuous Bounded Functions by Lipschitz Functions*", **Revue Roumaine des Mathematiques Pures et Appliquees**, Vol. XLIV, 253-255, 1999.

23. "*A generalization of the notion of continuous function*", **Analele Universitatii Ovidius Constanta**, Vol.7 (1), 77-80, 1999.

24. "*Les Fonction Lipschitziennes Homotopiques Sont Lipschitz Homotopiques*", **Revue Roumaine des Mathematiques Pures et Appliquees**, Vol. XLV, 119-122, 2000.

25. "*A LIP immersion of the Lipschitz manifolds modelled on some Banach spaces*", **Bulletin of the Greek Mathematical Society**, Vol. 43, 99-104, 2000.

26. "*Equivalent definitions for Lipschitz compact connected manifolds*", **Analele Universitatii din Bucuresti**, Vol. XLIX, 53-62, 2000.

27. "*Approximation of continuous functions by LIP functions*", **Real Analysis Exchange**, Vol. 26 (1), 449-552, 2000/2001.

28. "*How far from f can Bn(f) be in LIP ([0,1])?*", **Boletin de la Asociacion Matematica Venezolana**, Vol. VIII, 175-181, 2001.

29. "*Lipschitz approximation of uniformly continuous convex-valued functions*", **Bulletin of the Greek Mathematical Society**, Vol. 46, 129-132, 2002.

30. "*Approximations by Lipschitz functions generated by extensions*", **Real Analysis Exchange**, Vol. 28 (1), 33-40, 2002/2003.

31. "*A uniform boundedness principle type result*", **Mathematical Reports**, Vol. 5 (55), 57-59, 2003.

32. "*Uber die Erweiterung einer Metrik*", **Mathematical Reports**, Vol. 6 (56), 451-457, 2004.

33. "*On a normed space suggested by Lip(R)*", **Mathematical Reports**, Vol.7 (57), 51-56, 2005.

34. "*A sufficient condition for a function to satisfy a weak Lipschitz condition*", **Mathematical Reports**, Vol. 9 (59), 275-278, 2007.

35. "*On a strong notion of disconnectedness*", **Analele Universitatii din Bucuresti**, Vol. LVIII, 23-29, 2009 (with Alexandru Mihail).

36. "*A selection of embedding results for Lipschitz manifolds*", **Annals of the University of Bucharest**, Vol. 1 (LIX), 121-124, 2010.

Publications in extenso, in proceedings of the main specific international conferences

Not applicable.

Other papers and scientifc contributions

Not applicable.

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