

LISTA DE LUCRARI

Radu Miculescu

Lista lucrarilor cele mai relevante pentru realizarile profesionale obtinute ulterior conferirii titlului de doctor

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 (cu Alexandru Mihail).
2. "*A generalization of the Hutchinson measure*", **Mediterranean Journal of Mathematics**, Vol. 6, 203-213, 2009 (cu Alexandru Mihail).
3. "*Approximation of infinite dimensional fractals generated by integral equations*", **Journal of Computational and Applied Mathematics**, Vol. 234, 1417-1425, 2010 (cu Ion Chitescu si Horia Georgescu).
4. "*On a family of IFSs whose attractors are not connected*", **Journal of Mathematical Analysis and Applications**, Vol. 376, 187-192, 2011 (cu Alexandru Mihail).
5. "*Lipscomb's $L(A)$ space fractalized in $l^p(A)$* ", **Mediterranean Journal of Mathematics**, Vol. 3, 515-524, 2012 (cu 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 (cu 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 (cu 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 (cu Alexandru Mihail).
9. "*Alternative characterization of hyperbolic affine infinite iterated functions systems*", **Journal of Mathematical Analysis and Applications**, Vol. 407, 56-68, 2013 (cu Alexandru Mihail).
10. "*Generalized iterated function systems with place dependent probabilities*", **Acta Applicandae Mathematicae**, accepted, DOI: 10.1007/s10440-013-9841-4.

Teza de doctorat

R. Miculescu, *Unele contributii la studiul unor chestiuni de analiza Lipschitz*, Universitatea Bucuresti, 1999.

Brevete de inventie si alte titluri de proprietate industriala

Nu este cazul.

Carti si capitole din carti

1. "*Funcții Lipschitz*", Editura Academiei Romane, Bucuresti, 2004, ISBN 973-27-1061-6, 214 pagini (cu Cristinel Mortici).

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

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

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

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

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

7. "*Analiza Matematica. Teorie. Metode. Aplicatii*", Grupul Editorial ART, Bucuresti, 2002 (cu Ion Colojoara si Cristinel Mortici).

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

Articole/studii *in extenso*, publicate in reviste din fluxul stiintific international principal

Articole in reviste ISI

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 (cu 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 (cu Alexandru Mihail).

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

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

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

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

14. "Alternative characterization of hyperbolic affine infinite iterated functions systems", **Journal of Mathematical Analysis and Applications**, Vol. 407, 56-68, 2013 (cu 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 (cu Ion Chitescu, Loredana Ioana si Lucian Nita).

Alte articole (indexate in baze de date internationale)

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 (cu Alexandru Mihail).

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

Publicatii in extenso, aparute in lucrari ale principalelor conferinte internationale de specialitate

Nu este cazul.

Alte lucrari si contributii stiintifice

Nu este cazul.

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