Marta Štefánková - curriculum vitae

1. Základní osobní údaje

Jméno a příjmení: doc. RNDr. Marta Štefánková, Ph.D.
Původní příjmení: Babilonová
Datum a místo narození:
Trvalé bydliště:
Stav:

Vědecké a pedagogické hodnosti a pracovní zařazení:

1997	„Mgr“ v oboru učitelství matematiky a fyziky pro střední školy, Filozoficko-přírodovědecká fakulta Slezské univerzity v Opavě;
1999	„RNDr.“ v oboru Matematická analýza v Matematickém ústavu Slezské univerzity v Opavě;
1997-2000	prezenční doktorské studium, obor Matematická analýza, Matematický ústav v Opavě;
2000	„Ph.D.“ v oboru Matematická analýza v Matematickém ústavu Slezské univerzity v Opavě;
2000-2003	odborný asistent v Matematickém ústavu v Opavě;
2003	„doc.“ v oboru Matematika - Matematická analýza v Matematickém ústavu Slezské univerzity v Opavě;
od 2003	docent v Matematickém ústavu v Opavě, do nástupu na mateřskou dovolenou (2004) zástupce ředitele pro vědu a zahraniční styky
od 2005	vedoucí Oddělení reálné analýzy a dynamických systémů, členka Vědecké rady Matematického ústavu v Opavě, předsedkyně dvou komisí pro státní závěrečné zkoušky v bakalářském i magisterském studiu, garant bakalářského studijního programu Matematika,
od 2015	členka Vědecké rady Slezské univerzity v Opavě,

Další aktivity:

- členka panelu P201-Matematika Grantové agentury ČR (2015-2018)
- předsedkyně organizačního výboru soutěže SVOČ v Opavě (2001 a 2013)
- členka stálého vědeckého výboru konference ECIT (European Conference on Iteration Theory) (od 2014)
- členka organizačního výboru konference Conference on Ulam’s Type Stability (CUTS), Rytro (Polsko), 2014
- členka organizačního výboru konference “Dynamical Systems, Difference and Functional Equations. In honor of Marek C. Zdun's 70th birthday”, Krynica (Polsko), 2018

Hlavní zaměření vědecké činnosti: teorie diskrétních dynamických systémů a teorie funkcí, funkcionální rovnice a komplexní analýza.

2. Publikace

(v závorce je uveden impakt faktor časopisu, u starších publikací se jedná o IF z roku 2010, u novějších je z roku publikování)

[1] *M. Babilonová*, On a conjecture of Agronsky and Ceder concerning orbit-enclosing omega limit sets, Real Analysis Exchange 23 (1997/98) 773–777.
[2] *M. Babilonová*, Distributional chaos for triangular maps, Ann. Math. Silesianae 13 (1999) 33–38.
[3] *M. Babilonová*, The bitransitive continuous maps of the interval are conjugate to maps extremely chaotic a.e., Acta Math. Univ. Comen. 69 (2000) (2) 229–232.
[4] *M. Babilonová*, On stationary and determining sets for J-convex functions. Real Analysis Exchange (2000), Summer Symposium 2000 Suppl., 29–34.
[5] *M. Babilonová-Štefanková*, Solution of a problem of S. Marcus concerning J-convex functions, Aequationes Math. 63 (2002) 136–139.
[6] *M. Babilonová-Štefanková*, Extreme chaos and transitivity, Internat. J. Bifur. Chaos Appl. Sci. Engrg. 13 (2003), 1695 - 1700. (**2010 IF 0.9**)
[7] *J. Smítal and M. Štefánková*, Omega-chaos almost everywhere, Discrete and Continuous Dynamical Systems 9 (2003), 1323–1327. (**2010 IF 1.2**)
[8] *J. Smítal and M. Štefánková*, Distributional chaos for triangular maps, Chaos, Solitons and Fractals 21 (2004), 1125–1128. (**2010 IF 3.3**)
[9] *L. Reich, J. Smítal and M. Štefánková*, The continuous solutions of a generalized Dhombres functional equation, Math. Boh. 129 (2004), 399–410.
[10] *F. Balibrea, J. Smítal and M. Štefánková*, The three versions of distributional chaos, Chaos, Solitons and Fractals 23 (2005), 1581 - 1583. (**2010 IF 3.3**)
[11] *L. Reich, J. Smítal and M. Štefánková*, The converse problem of the generalized Dhombres functional equation, Math. Boh. 130 (2005), 301-308.
[12] *M. Štefánková,* On topological entropy of transitive triangular maps, Topology Appl. 153 (2006), 2673 - 2679. (**2010 IF 0.4**)
[13] *L. Reich, J. Smítal and M. Štefánková*, Local analytic solutions of the generalized Dhombres functional equation I, Österreich. Akad. Wiss. Math.-Natur. Kl. Sitzungsber. II 214 (2005), 3 - 15.
[14] *L. Reich, J. Smítal and M. Štefánková*, The holomorphic solution of the generalized Dhombres functional equation, J. Math. Anal. Appl. 333 (2007), 880-888. (**IF 1.2**)
[15] *P. Oprocha and M. Štefánková*, Specification property and distributional chaos almost everywhere, Proc. Amer. Math. Soc. 136 (2008), 3931 – 3940. (**2010 IF 0.6**)
[16] *L. Reich, J. Smítal and M. Štefánková*, Locally analytic solutions of the generalized Dhombres functional equation II, J. Math. Anal. Appl. 355 (2009), 821 – 829. (**2010 IF 1.2**)
[17] *F. Balibrea, J.* Smítal and M. Štefánková, A triangular map of type 2^infinity with positive topological entropy on a minimal set, Nonlin. Anal. A: Theory, Methods Appl. 73 (2011), 1690 - 1693. (**2010 IF 1.3**)
[18] *L. Reich, J. Smítal and M. Štefánková*, Functional equation of Dhombres type in the real case, Publ Math Debrecen 78 (2011). (**2010 IF 0.6**)
[19] *F. Balibrea, J. Smítal and M. Štefánková*, On open problems concerning distributional chaos for triangular maps, Nonlin. Anal. A: Theory, Methods Appl. 74 (2011), 7342 - 7346. (**2010 IF 1.3**)
[20] *M. Štefánková,* Strange chaotic triangular maps, Chaos, Solitons & Fractals 45 (2012), 1188 – 1191. **(IF 1.2)**

[21] *T. Downarowicz and M. Štefánková,* Embedding Toeplitz systems in triangular maps; The last but one problem of the Sharkovsky classification program, Chaos, Solitons & Fractals 45 (2012), 1566 – 1572. **(IF 1.2)**
[22] *L. Reich, J. Smítal and M. Štefánková*, On generalized Dhombres equations with non-constant rational solutions in the complex plane, J Math Anal Appl. 399 (2013), 542 – 550. **(IF 1.1)**
[23] *M. Štefánková,* Strong and weak distributional chaos, J. Difference Equ. Appl. 19 (2013), 114 – 123. **(IF 0.9)**
[24] *L. Reich, J. Smítal, M. Štefánková*, Singular solutions of the Generalized Dhombres functional equation, *Results Ma*th 65 (2014), 251–261. **(IF 0.9)**
[25] *F. Balibrea, J. Smítal and M. Štefánková,* Distributional chaos and probability distribution functions, Chaos, Solitons, Fractals 67 (2014), 38 – 42. **(IF 1.4)**
[26] *L. Reich, J. Smítal, and M. Štefánková,* On regular solutions of the generalized Dhombres equation II, Results in Math. 67 (2015), 521–528. **(IF 0.8)**
[27] *J. Smítal and M. Štefánková,* On regular solutions of the generalized Dhombres equation, Aequationes Math. 89 (2015), 57 – 61. **(IF 1.0)**
[28] *J. Dvořáková, N. Neumärker and M. Štefánková*, On omega-limit sets of non autonomous dynamical systems with a uniform limit of type 2^{∞}, J. Differ. Equ. Appl. **22** (2016), 636–644. **(IF 0.8)**
[29] *M. Štefánková*, Inheriting of chaos in uniformly convergent nonautonomous dynamical systems on the interval, Discrete Cont Dynam Sys *A* 36 (2016), 3435–3443. **(IF 1.1)**
[30] *M. Štefánková,* The Sharkovsky program of classification of triangular maps – a survey, Topology Proc. . 48 (2015), 135 - 132.
[31] *M. Foryś-Krawiec, P. Oprocha, and M. Štefánková,* Distributionally chaotic systems of type 3 and rigidity, J. Math. Anal Appl. 22 (2017), 3435 – 3443. **(IF 1.1)**
[32] *M. Mlíchová and M. Štefánková,* On generic and dense chaos for maps induced on hyperspaces, J. Diff. Equ. Appl. 24 (2018), 685-700. **(IF 0.6)**
[33] *J. Smítal and M. Štefánková,* Generalized Dhombres functional equation, in: „Developments in Functional Equations and Related Topics", Springer Series Optimization and Its Applications, (Ciepliński, Brzdęk and Rassias Eds).
[34] *F. Balibrea, J. Smítal, M. Štefánková,* Generic properties of nonautonomous dynamical systems, Int J Bifur Chaos 28 (2018), 1850102. ISSN 0218-1274 (Singapore) **(IF 1.5)**

Abstrakty z konferencí a jiné:

[A1] *M. Babilonová*, Massive chaos, Real Analysis Exchange 25 (1999/2000) (1) 43–44.
[A2] *J. Smítal and M. Štefánková*, Strongly omega-chaotic mappings of the interval, Real Analysis Exchange 27 (1) 2001/2002, 25th Summer Symposium Conference Report, 43–46. (Abstract of the talk at Summer Symposium on Real Analysis, Ogden Utah, 2001).
[A3] *M. Štefánková,* Distributional (and other) chaos and its measurement – a survey, submitted. (Abstract of the talk at Summer Symposium on Real Analysis, Oxford, 2007).
[J1] *A. Ryšavý and M. Štefánková* (Eds.), Report of Meeting, The Forty-second International Symposium on Functional Equations, June 20–27, 2004, Opava, Czech Republic, Aequationes Math. 69 (2005), 164 - 200.

3. Účast a vystoupení na mezinárodních konferencích

[K1] 26th Winter School in Abstract Analysis, Křišťanovice, leden 1998. Přednáška *"On a conjecture of Agronsky and Ceder concerning orbit-enclosing omega-limit sets"*
[K2] European Conference on Iteration Theory ECIT 98, Muszyna, Poland, 30. 8. - 5. 9. 1998.
Osobní pozvání, částečně na náklady organizátorů.
Přednáška *„Distributional chaos for triangular maps"*
[K3] 27th Winter School in Abstract Analysis, Lhota nad Rohanovem, 23. – 30. 1. 1999.
Přednáška *"Distributional chaos for triangular maps"*
[K4] 23rd Summer Symposium on Real Analysis, Łódź, Poland, 20. – 26. 6. 1999.
Částečně na náklady organizátorů.
Přednáška *"The bitransitive continuous maps of the interval are conjugate to maps extremely chaotic a.e."*
[K5] 4th Czech-Slovak Workshop on Dynamical Systems, September 23 – 27, 1999, Lipt. Trnovec, Slovakia.
Přednáška "*Chaos skoro všude*"
[K6] 28th Frolík School in Abstract Analysis, Křišťanovice, 23. – 29. 1. 2000.
Osobní pozvání, na náklady organizátorů.
Přednáška *"Solution of a problem of S. Marcus concerning J-convex functions"*
[K7] Millenium Symposium on Real Analysis, Denton, Texas, USA, 23. – 27. 5. 2000.
Osobní pozvání, organizátoři hradili pobyt i letenku.
Přednáška *"On stationary and determining sets for J-convex functions"*
[K8] 4th Czech-Slovak Conference on Dynamical Systems, Praděd, 22. – 28. 6. 2000.
Přednáška *"Solution of a problem of S. Marcus concerning J-convex functions"*
[K9] European Conference on Iteration Theory ECIT 2000, La Manga, Spain, 4. – 9. 9. 2000. Osobní pozvání, na náklady organizátorů.
Přednáška *"Extreme chaos and transitivity"*
[K10] 5th Czech-Slovak Conference on Dynamical Systems, Praděd, červen 2001.
Přednáška *"Omega-chaos almost everywhere"*
[K11] European Conference on Iteration Theory ECIT 2002, Évora, Portugal, 1. – 7. 9. 2002. Osobní pozvání, částečně na náklady organizátorů.
Přednáška *"Omega-chaos almost everywhere"*
[K12] V Iberoamerican Conference on General Topology and its Applications CITA 2003, Lorca, Spain, 10. – 14. 6. 2003.
Osobní pozvání, na náklady organizátorů.
Přednáška *"On topological entropy of transitive maps"*
[K13] 27th Summer Symposium in Real Analysis, Opava, 23. – 29. 6. 2003.
Přednáška *"Distributional chaos for triangular maps"*
[K14] 7th Czech-Slovak Workshop on Dynamical Systems, Praděd, Hotel Figura, Czech Republic, September 6 - 13, 2003.
Přednáška "On topological entropy of transitive maps"
[K15] Workshop on ergodic theory and dynamical systems, Szklarska Poreba, Poland, 19. - 22. 6. 2006.
Zvaná přednáška "*On topological entropy of transitive triangular maps*"
[K16] 11th International Conference on Difference Equations and Applications,

ICDEA, University of Kyoto, Japan, 22. - 29. 7. 2006.
Zvaná přednáška "*On topological entropy of transitive triangular maps*"
[K17] European Conference on Iteration Theory, ECIT 2006, Gargnano, Italy, 10. - 16. 9. 2006.
Přednáška "*On topological entropy of transitive triangular maps*"
[K18] Visegrad Conference Dynamical Systems, Hight Tatras, Slovakia, 17. – 23. 6. 2007.
Přednáška *"Distributional (and other) chaos almost everywhere"*
[K19] 45th International Symposium on Functional Equations, Bielsko-Biala, Poland, 24. 6. – 1. 7. 2007.
Přednáška *"The holomorphic solutions of the generalized Dhombres functional equation"*
[K20] 12th International Conference on Difference Equations and Applications, ICDEA 2007. Lisboa, Portugal, 23. – 27. 7. 2007.
Přednáška *"Distributional (and other) chaos almost everywhere"*
[K21] 31th Summer Symposium on Real Analysis, Oxford, England, 12. – 16. 8. 2007.
Přednáška *"Distributional (and other) chaos almost everywhere"*
[K22] Progress in Difference Equations, Bedlewo, Poland, 25. – 29. 5. 2009.
Přednáška *"Functional equation of Dhombres type in the complex domain"*
[K23] 47th International Symposium on Functional Equations, ISFE 47, Gargnano, Italy, 14. – 21. 6. 2009.
Udělené ocenění "The ISFE medal for outstanding contributions to the meeting"
Přednáška *"On the generalized Dhombres functional equation in complex domain"*
[K24] International Conference on Difference Equations and Applications, ICDEA 2009, Estoril, Portugal, 18. – 25. 10. 2009.
Zvaná přednáška "*On a triangular map of type 2 to infinity with positive topological entropy"*
[K25] 8th AIMS International Conference on Dynamical Systems, Differential Equations and Applications, Dresden, Germany, 24. – 28. 4. 2010.
Zvaná přednáška *"Distributional chaos and the size of scrambled sets"*
[K26] 48th International Symposium on Functional Equations, Batz-sur-Mer, France, 13. – 20. 5. 2010.
Přednáška *"Functional equation of Dhombres type in the real case"*
[K27] 14th Czech-Slovak-Spanish Workshop on Discrete Dynamical Systems, Cartagena – La Manga, Spain,19. – 25. 9. 2010.
Přednáška *"Strong and weak distributional chaos"*
[K28] Progress on Difference Equations, 22 – 27 May 2011, Dublin, Ireland.
„Solution of problems concerning distributional chaos for triangular maps"
[K29] 49th International Symposium on Functional Equations, ISFE 49, 19 – 25 May, 2011, Graz, Austria.
„On open problems concerning distributional chaos for triangular maps"
[K30] Visegrad Conference on Dynamical Systems, 27. 6. – 3. 7. 2011, Banská Bystrica, Slovensko.
„Some recent results concerning Sharkovsky classification of triangular maps"
[K31] 16th Czech-Slovak Workshop on Discrete Dynamical Systems (CSWDDS 2012), 11.–15. 6. 2012 Pustevny, Beskydy mountains, Czech Republic
[K32] The 50th International Symposium on Functional Equations (ISFE 50), June 17 – 24, 2012, Hajdúszoboszló, Hungary.

"Strange chaotic triangular maps"

[K33] The 9th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Orlando, Florida, USA, July 1 – 5, 2012.
"Strange chaotic triangular maps" (invited talk)
[K34] European Conference on Iteration Theory 2012 (ECIT 2012), Ponta Delgada, Azores, Portugal, September 9 – 15, 2012.
"Strange chaotic triangular maps"
[K35] 51th International Symposium on Functional Equations, Rzeszów (ISFE 51), Polsko, May 16 – 23, 2013.
„On the Sharkovsky classification program of triangular maps"
[K36] The 18th Czech-Slovak Workshop on Discrete Dynamical Systems, September 8 – 12, 2014, Malenovice, Beskydy mountains, Czech Republic.
[K37] Spring Topology and Dynamics Conference, University of Richmond, USA, March 10 – 15, 2014.
„On the Sharkovsky classification program of triangular maps" (invited talk)
[K38] Conference on Ulam's Type Stability (CUTS 2014), Rytro, Poland, June 2 – 6, 2014.
„On the Sharkovsky classification program of triangular maps" (invited talk)
[K39] 52nd International Conference on Functional Equations (ISFE 52), Innsbruck, Austria, June 22 – 29, 2014.
„Inheriting of chaos in nonautonomous dynamical systems" (invited talk)
[K40] 20th European Conference on Iteration Theory (ECIT 2014), Łagów, Poland, September 14 – 20, 2014.
„Inhertiting chaos in nonautonomous dynamical systems"
[K41] 53th International Symposium on Functiona Equations (ISFE 53), June 14 – 21, Krynica-Zdrój, Polsko.
„On omega-limit sets of non-autonomous dynamical systems with a uniform limit of type 2^∞"
[K42] 54th International Symposium on Functional Equations (ISFE 54), June 12 – 19, 2016, Hajdúszoboszló, Hungary.
„On generic and dense chaos for maps induced on hyperspaces" (invited talk)
[K43] 21th European Conference on Iteration Theory (ECIT 2016), September 4 – 10, 2016, Innsbruck, Austria.
„On generic and dense chaos for maps induced on hyperspaces"
[K44] Czech-Slovak Workshop on Discrete Dynamical Systems 2016 (September 12 – 16, 2016) Karlova Studánka, Czech Republic.
„On generic and dense chaos for maps induced on hyperspaces"
[K45] Dynamics, Functional Equations, Infinite Combinatorics & Probability Conference, June 11 – 16, 2017, London, UK.
„On generic and dense chaos for maps induced on hyperspaces" (invited talk).
[K46] 7th Visegrad Conference on Dynamical Systems, Opava 2017, June 26 – 30, 2017, Opava, Czech Republic.
[K47] Dynamical Systems, Difference and Functional Equations, June 4 – 8, 2018, Krynica-Zdrój, Polsko.
„On generic properties of nonautonomous dynamical systems" (invited talk).

4. Pobyty v zahraničí

[P1] Silesian University, Katowice, Poland, 11. – 16. 12. 2000.
Přednáška "*The bitransitive continuous maps of the interval are conjugate to maps extremely chaotic a.e.*"
[P2] Universidad de Murcia, Spain, 28. 4. – 10. 5. 2003.
Přednáška "*On topological entropy of transitive maps*"
[P3] Karl-Franzens-Universität Graz, Austria, 24. - 28. 11. 2003.
Přednáška "*Chaos on compact metric spaces*"
[P4] Karl-Franzens-Universität Graz, Austria, 17. - 21. 5. 2004.
[P5] Karl-Franzens-Universität Graz, Austria, 30. 1. - 3. 2. 2006.
[P6] Universidad de Murcia, Spain, 22. - 31. 3. 2006.
Přednáška "*Holomorphic solutions of the generalized Dhombres functional equation*".
[P7] Karl-Franzens-Universität Graz, Austria, 27. 11. - 1. 12. 2006.
[P8] Universität Wien, Austria, 10. - 16. 12. 2006.
[P9] Karl-Franzens-Universität Graz, Austria, 16. - 20. 4. 2007.
Přednáška *"How to measure chaos?"*
[P10] Universidad de Murcia, Spain, 6. – 15. 5. 2009.
Přednáška "*On a triangular map of type 2 to infinity with positive topological entropy"*
[P11] Karl-Franzens-Universität Graz, Austria, 16. – 20. 11. 2009.
Přednáška *„Triangular maps of type 2 to infinity and chaos"*
[P12] Seminář k jubileu Prof. Dr. L. Reicha, Karl-Franzens-Universität Graz, Austria, 28. – 30. 1. 2010.
[P13] Universidad de Murcia, Spain, 7. – 16. 11. 2010.
Přednáška *„Chaos in discrete dynamical systems"*
[P14] Universidad de Murcia, Spain, 12. – 18. 12. 2011.
Talk *„Chaos in discrete nonautonomous dynamical systems"*
[P15] Uniwersytet Jagiellonski, Krakow, Polsko, 26. – 28. 1. 2012.
Talk *„Chaos in discrete dynamical systems"*
[P16] Technical University Wrocław, Poland, 11. - 14. 5. 2012.
[P17] Universidad de Murcia, Spain, 2. – 12. 12. 2012.
Talk „On the last few problems of the Sharkovsky classification program "
[P18] Universität Wien, Austria, 11. – 15. 2. 2013.
[P19] Universidad de Murcia, Spain, 1. – 10. 12. 2013.
[P20] Universität Wien , Austria, 1. – 4. 22. 2014.
[P21] Universidad Murcia, Španělsko, 27. 11. – 6. 12. 2015. Talk "On omega-limit sets of nonautonomous dynamical systems with uniform limit of type 2^∞"
[P22] Universidad Murcia, Španělsko, 13. – 19. 11. 2016.
[P23] Universidad Murcia, Španělsko, 10. – 20. 11. 2017.

5. **Ohlasy publikací** (celkem 277, z toho 202 dle SCI)

[1] *M. Babilonová*, On a conjecture of Agronsky and Ceder concerning orbit-enclosing omega limit sets, Real Analysis Exchange 23 (1997/98) 773–777. MR 99i:26004, Zbl 939.37013.

Citováno v těchto pracích:

2000

[C1] *V. Jiménez López and J. Smítal,* Two counterexamples to a conjecture by Agronsky and Ceder, Acta Math. Hung. 88 (2000), 193-204. Využívá se hlavní výsledek z cit. práce; kvalifikovaná citace dle SCI.

2001

[C2] *V. Jiménez López and J. Smítal,* On omega-limit sets for triangular mappings, Fund. Math. 167 (2001), 1 - 15. Využívá se hlavní výsledek z cit. práce; kvalifikovaná citace dle SCI.

2003

[C3] *F. Balibrea, L. Reich and J. Smítal,* Iteration Theory: Dynamical Systems and functional equations, Internat. J. Bifur. Chaos 13 (2003), No. 7. Též dle SCI.

[C4] *A. G. Sivak*, On the structure of transitive omega-limit sets for continuous maps, Qualitative Theory of Dynam. Sys. 4 (2003), 99 - 113.

2004

[C5] *J. L. Garcia Guirao*, Omega-limit sets and topological entropy for twodimensional triangular maps, Ph.D. thesis, University of Murcia, Spain, 2004. Využívá citovanou práci; kvalifikovaná citace.

[C6] *F. Balibrea, J. L. García*, On omega-limit sets for triangular maps on the unit square, Grazer Math. Ber. 346 (2004), 177 - 185.

2005

[C7] *V. Špitalský*, Recurrence, minimality and complexity in discrete dynamics, doktorská Ph.D. dizertace, B. Bystrica 2005.

2008

[C8] *F. López Pelayo,* Sistemas dynámicos discretos inducidos por applicaciones triangulares, Thesis Doctoral, Universidad Politécnica de Cartagena, 2008.

[C9] *V. Špitalský*, Omega-limit sets in hereditarily locally connected continua, Topology Appl. 155 (2008), 1237 – 1255. Též dle SCI.

2009

[C10] *J. L. G. Guirao and F. L. Pelayo*, On solenoidal distribution of infinite omega-limit sets, Intern. J. Comp. Math. 86 (2009), 201 – 208. Též dle SCI.

[C11] *R. García Rubio,* Sistemas dinámicos discretos con applicationes: Modelos de tipo triangulare y Cournot. Ph.D. thesis, Universidad de Alicante, Alicante 2009.

[2] *M. Babilonová*, Distributional chaos for triangular maps, Ann. Math. Silesianae 13 (1999) 33–38. MR 2000k:37018, Zbl 0944.37011.

Citováno v těchto pracích:

2001

[C1] *K. Janková*, Points generating principal measure of chaos, Real Anal. Exchange 26 (2000/2001), 457 - 466.

[C2] *J. S. Cánovas*, Distributional chaos on tree maps, the star case, Comment. Math. Univ. Carolinae 42,3 (2001) 583-590.

2002

[C3] *J. Smital*, Various notions of chaos, recent results, open problems, Real Anal. Exch. Summer Symp. 2002, 81 – 86, kvalifikovaná citace.

2003

[C4] *F. Balibrea, L. Reich and J. Smítal,* Iteration Theory: Dynamical Systems and functional equations, Internat. J. Bifur. Chaos 13 (2003), No. 7; kvalifikovaná citace. Též dle SCI.

2004

[C5] *T. Arai, N. Chinen*, Characterizations of Tree Maps Having Positive Entropy, RIMS Kokyuroku 1370 (2004), 7 – 13.

[C6] *M. Málek*, Distributional chaos and spectral decomposition of dynamical systems on the circle, Topology and Applications 135 (2004), 215 - 229. Též dle SCI.

2005

[C7] *G.-L. Forti,* Various notions of chaos for discrete dynamical systems, Aequationes Math. 70 (2005), 1 - 13.

[C8] *B. Schweizer and A. Sklar*, Probabilistic Metric Spaces, 2nd Edition, Elsevier, 2005. Uvádí hlavní výsledek z citované práce. Kvalifikovaná citace.

[C9] *J. Smítal*, Ten years of distributional chaos, Real Analysis Exchange, Summer Symposium 2004 (2005), 15 - 19.

2006

[C10] *J. L. Garcia Guirao and M. Lampart*, Relations between distributional, Li-Yorke and chaos, Chaos, Solitons and Fractals 28 (2006), 788 – 792. Též dle SCI.

[C11] *R. Hric and M. Málek*, Omega-limit sets and distributional chaos on graphs, Topology Appl. 153 (2006), 2469 - 2475. Též dle SCI.

[C12] *J. Smítal*, Dynamics of triangular maps - recent progress, Real Analysis Exchange, Summer Symposium 2005 (2006), 15 - 18.

[C13] *S. Taixan*, Distributional chaos of a tree map, Chinese Annals of Mathematics Ser. A 27 (2006), 645 – 648.

2008

[C14] *H. Wang, G. Liao and Q. Fan*, Substitution systems and the three versions of distributional chaos, Topology Appl. 156 (2008), 262 – 267. Též dle SCI.

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6. Granty

[G1] Projekt GAČR 201/97/0001 Dynamické systémy. Řešitel: J. Smítal, 1997-99. (Členka týmu)

[G2] Projekt GAČR 201/00/0859 Dynamické systémy. Řešitel: J. Smítal, 2000-02. (Členka týmu)

[G3] Projekt FRVŠ 310/1998 Vědecká činnost talentovaných studentů v oboru dynamické systémy. Řešitel: J. Smítal, 1998. (Členka týmu)

[G4] Projekt FRVŠ 1527/1999 Studentský vědecký seminář z dynamických systémů. Řešitel: J. Smítal, 1999. (Členka týmu)

[G5] Projekt FRVŠ 1468/2000 Studentský seminář z dynamických systémů. Řešitel: J. Smítal, 2000. (Členka týmu)

[G6] Projekt GAČR 201/01/P134 Chaos v diskrétních dynamických systémech. 2001-03. **(Hlavní řešitelka,** 315 tis. Kč**)**

[G7] Projekt MSM 192400002 Globální analýza. Řešitel: D. Krupka, J. Smítal, 2000-04. (Členka týmu)

[G8] Projekt Podpora dosažení kvalifikace "docent" v rámci programu podpory celoživotního vzdělávání MŠMT, 2003. **(Hlavní řešitelka,** 105 tis. Kč**)**

[G9] KONTAKT 38p10, Low dymensional dynamical systems, 2004. **(Hlavní řešitelka,** 28 tis. Kč + 2 175 EUR**)**

[G10] AKTION 42p11 Malodimenzionální dynamické systémy, 2005–2006. **(Hlavní řešitelka,** 42 tis. Kč + 2 480 EUR**)**

[G11] Projekt GAČR 201/06/0318 Dynamické systémy III. Řešitel: J. Smítal, 2006–2008. (Členka týmu)

[G12] Projekt MSM 4781305904 Topologické a analytické metody v teorii dynamických systemů a mathematické fyzice. Řešitel: J. Smítal, 2005 – 2011. (Členka týmu)

[G13] Projekt GAČR 201/10/0887 Diskrétní dynamické systémy, 2010 – 2014. **(Hlavní řešitelka,** 3 145 tis. Kč**)**

7. Ocenění

2000	Cena ministra školství pro vynikající studenty a absolventy studia ve studijním programu
2007	Cena rektora Slezské univerzity za významné vědecké výsledky
2008	Cena Učené společnosti ČR pro mladé vědecké pracovníky
2009	"The ISFE medal for outstanding contributions to the meeting", 47th International Symposium on Functional Equations, ISFE 47, Gargnano, Italy, 14. – 21. 6. 2009
2009	Stipendium L'Oréal Česká republika Pro ženy ve vědě (společný projekt Akademie věd ČR a České komise pro UNESCO)
2018	Stříbrná medaile Slezské univerzity v Opavě

8. Školení doktorandů

2005	*Doc. RNDr. Marek Lampart, Ph.D.* (doc. 2014, nyní probíhá prof. říz.)
2012	*Mgr. Jana Dvořáková, Ph.D.*
2014	*Mgr. Leszek Szała, Ph.D.*
2018	*Mgr. Jakub Šotola, Ph.D.*
od 2016	*Mgr. Vojtěch Pravec*

9. Přednášky pro studenty

Seminář z diskrétních dynamických systémů (pro doktorandy)
Matematická analýza I a II
Vybrané partie z matematické analýzy I a II
Algebra I a II
Komplexní analýza
Topologie
Logika a teorie množin
Algebraické struktury
Analýza v komplexním oboru
Reálná analýza I a II

10. Teze přednášky

Šarkovského klasifikace trojúhelníkových zobrazení a chaos v neautonomních diskrétních dynamických systémech
(úvod, seznámení s nejdůležitějšími pojmy, přehlem známých výsledků, můj příspěvek k řešení dané problematiky, zásadní otevřené problémy)