ROMÂNIA
UNIVERSITATEA BABEŞ-BOLYAI CLUJ-NAPOCA
Str. Mihail Kogălniceanu, nr. 1, 400084 Cluj-Napoca
Tel. (00) 40 - 264 - 40.53.00*; 40.53.01; 40.53.02 ; 40.53.22
Fax: 40 - 264 - 59.19.06
E-mail: staff@staff.ubbcluj.ro

RECTORATUL

Universitatea Babeş-Bolyai
Competiţia Excelenţei 2010
Dosar Program de Studii

Notă: Toate datele se referă la perioada 2005-2009

A. Programul de studii

Numele programului de studii	**SCOALA DOCTORALĂ DE MATEMATICĂ**
Tipul programului (Licenţă/ Master/ Doctoral/ Post-Doctoral)	Program Doctoral
Directorul/responsabilul programului (nume, prenume, grad didactic)	Prof. dr. Petrusel Adrian
Domeniul programului	Matematica
Adresa paginii web a programului	http://www.math.ubbcluj.ro/~nodeacj/math_phd_school.html
Adresa e-mail a directorului	petrusel@math.ubbcluj.ro

B. Obiectivele programului (maximum 1 pagina, în manieră cât mai accesibilă)

Şcoala Doctorala de Matematică îsi propune realizarea următoarelor obiective:

- atragerea de cât mai multi doctoranzi naţionali si internaţionali (conducătorii de doctorat implicaţi în program sunt specialişti recunoscuţi naţional şi multi dintre ei internaţional pe domeniul specific de activitate, astfel că sunt create premizele atragerii de noi studenţi-doctoranzi).
- realizarea de cât mai multe teze de doctorat în co-tutelă, cu specialişti de la universităţi de prestigiu din Europa sau America de Nord şi Asia. (există un potenţial serios de dezvolatre a acestui indicator, mai ales din perspectiva simplificării procedurilor birocratice, după aderarea României la UE).
- obţinerea de rezultate noi, cu impact ştiinţific şi tehnologic consistent, publicarea rezultatelor cercetărilor efectuate în cadrul Şcolii Doctorale de Matematică, în reviste şi edituri internaţionale de prestigiu şi cu vizibilitatea internaţională recunoscută, precum şi sprijiniea revistelor ştiinţifice ale Universităţii noastre.
- reorientarea cercetărilor şi către domeniile prioritare şi de vârf (cum ar fi complexitatea, riscul, crizele, mediul, bio-matematica, sănătatea).
- participarea la competiţia naţională a excelenţei, la competiţiile naţionale şi internaţionale pentru obţinerea de granturi.
- organizarea, la 2-3 ani, de conferinţe internaţionale şi work-shopuri pe domenii specifice de cercetare (prin rotaţie), cu participarea colaboratorilor principali din universităţile străine.

C. Cadre didactice implicate în program şi cursurile tinute în program:

Numele şi prenumele, grad did.	**Facultatea, Catedra**	**Cursuri**	**Semnătura**
Petrusel Adrian, prof. dr.	Matematica si Informatica, Catedra de Matematica Aplicata	1) Multivalued analysis and applications 2) The mathematical theory of equilibrium problems	
Marcus Andrei, prof. dr.	Matematica si Informatica, Catedra de Algebra, Analiza si Geometrie	1) Grupuri algebrice 2) Reprezentari modulare ale grupurilor finite	
Calugareanu Grigore, prof. dr.	Matematica si Informatica, Catedra de Algebra, Analiza si Geometrie	Teoria laticilor	
Duca Dorel, prof. dr.	Matematica si Informatica, Catedra de Algebra, Analiza si Geometrie	1) Multicriteria Optimization 2) Nonlinear Optimization	
Lupsa Liana, prof. dr.	Matematica si Informatica, Catedra de Algebra, Analiza si Geometrie	Optimizare discreta cu aplicatii	
Muresan Marian, prof. dr.	Matematica si Informatica, Catedra de Algebra, Analiza si Geometrie	Non-smooth analysis, variational calculus and optimal control	
Kassay Gabor, prof. dr.	Matematica si Informatica, Catedra de Algebra, Analiza si Geometrie	1)Problema echilibrului si aplicatii 2) Functii convexe si operatori monotoni.	
Andrica Dorin, prof. dr.	Matematica si Informatica, Catedra de Algebra, Analiza si Geometrie	Critical Point Theory and Applications to Geometry and Topology	
Varga Csaba, prof. dr.	Matematica si Informatica, Catedra de Algebra, Analiza si Geometrie	Principii variationale cu aplicatii in ecuatii cu derivate partiale, geometrie si economie	
Precup Radu, prof. dr.	Matematica si Informatica, Catedra de Matematica Aplicata	Metode operatoriale pentru studiul ecuatiilor neliniare	
Blaga Petru, prof. dr.	Matematica si Informatica, Catedra de Matematica Aplicata	Statistica matematica si aplicatii	
Agratini Octavian, prof. dr.	Matematica si Informatica, Catedra de Matematica Aplicata	Wavelet transforms and their applications	
Kohr Mirela, prof. dr.	Matematica si Informatica, Catedra de Matematica Aplicata	Aplicatii ale teoriei potentialului in mecanica fluidelor	
Kohr Gabriela, prof. dr.	Matematica si Informatica, Catedra de Algebra, Analiza si Geometrie	Lanturi Loewner de mai multe variabile complexe. Aplicatii	
Salagean Grigore, prof. dr.	Matematica si Informatica, Catedra de Algebra, Analiza si Geometrie	1) Operatori integrali, diferentiali si de convolutie in clase de functii univalente 2) Subordonari si superordonari diferentiale	

D. Studenţi în program

2. în cazul unui program doctoral: nr. doctoranzilor înmatriculaţi şi lista tezelor susţinute

	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010
Nr. doctoranzi romani	14	12	11	13	16
Nr. doctoranzi internaţionali	0	0	0	1	0

Nume, prenume doctorand	**Titlul tezei**	**Anul susţinerii**	**Conducător ştiinţific**
Boriceanu Monica	Dynamical Aspects in the Theory of Multivalued Operators	2009	Prof.dr. Adrian Petruşel
Petru Petra Tunde	Some Contributions to Fixed Point Theory for Multivalued Operators on Gauge Spaces	2009	Prof.dr. Adrian Petruşel
Guran Liliana	Fixed point theorems for multivalued operators on KST space	2009	Prof.dr. Adrian Petruşel
Camelia Dicu	Metode modul-teoretice in studiul G-algebrelor si al grupurilor punctuate	2008	Prof.dr. Andrei Mărcuş
Voicu Constantin	Contributii la studiul unor probleme de mecanica si geometrie pe R^n	2008	Prof.dr. Dorin Andrica
Wainberg Dorin	Contributii la studiul unor probleme de geometrie diferentiala si mecanica geometrica	2009	Prof.dr. Dorin Andrica
Lazar Ioana	The study of simplicial complexes of non-positive curvature	2009	Prof.dr. Dorin Andrica
Teodora Dinu (Radulescu)	Methods in the Nonlinear Analysis for the Study of Boundary Value Problems	2005	Prof.dr. Radu Precup
Adela Chis	Teoreme de continuare pentru contractii generalizate si aplicatii	2007	Prof.dr. Radu Precup

Dezideriu Muszi	Semilinear boundary value problems under nonresonance conditions	2008	Prof.dr. Radu Precup
Andrei Horvat-Marc	Contributii la studiul localizarii solutiilor problemelor neliniare	2008	Prof.dr. Radu Precup
Diana Ioana Otrocol	Contribuţii la teoria sistemelor Lotka-Volterra cu argument întârziat	2006	Prof.dr. Petru Blaga
Paul Anamaria Piţul	Evaluarea ordinului de aproximare prin operatori liniari şi pozitivi	2007	Prof.dr. Petru Blaga şi Prof.dr. Heiner Gonska, Universitatea din Duisburg (co-tutela)
Ana Maria Acu	Funcţii spline şi formule de aproximare ale integralelor definite	2007	Prof.dr. Petru Blaga
Alin Vasile Roşca	Contribuţii teoretice şi practice privind simularea unor modele economice	2008	Prof.dr. Petru Blaga
Kupán Paul	Scheme de aproximare cu restricţii bazate pe funcţii spline	2009	Prof.dr. Petru Blaga
Vlad Ciobotariu-Boer	Contribuţii la studiul funcţiilor convexe	2009	Prof.dr. Petru Blaga
Carmen Violeta Muraru	Contribuţii la aproximarea funcţiilor prin operatori liniari	2008	Prof.dr. Octavian Agratini
Magnolia Anda Rebeleş	Contribuţii privind operatorii de tip spline	2008	Prof.dr. Octavian Agratini
Radu Cristina Ancuţa	Contribuţii la convergenţa statistică a proceselor liniare de aproximare în q-Calculus	2009	Prof.dr. Octavian Agratini
Blaga Alexandru	Regularitate metrica si metoda neneteda a lui Newton	2009	Prof.dr. Marian Mureşan
Mezei Ildiko Ilona	Metode neliniare în studiul inegalităţilor hemivariaţionale şi al problemelor eliptice	2008	Prof.dr. Varga Csaba
Georgia Irina Oros	Studiul unor clase de funcţii univalente	2006	Prof.dr. Grigore Sălăgean

E. Realizări ale studenţilor din program

1. Articole ştiinţifice indexate ISI:

KRASNOSELSKII-TYPE THEOREMS FOR MULTIVALUED OPERATORS
Author(s): Boriceanu M
Source: **FIXED POINT THEORY** Volume: **9** Issue: **1** Pages: **35-45** Published: **2008.**

FIXED POINT RESULTS FOR GENERALIZED phi-CONTRACTION ON A SET WITH TWO METRICS
Author(s): Petru TP, Boriceanu M
Source: **TOPOLOGICAL METHODS IN NONLINEAR ANALYSIS** Volume: **33** Issue: **2** Pages: **315-326** Published: **JUN 2009.**

Fixed point theorems for Kikkawa-Suzuki type multivalued operators in gauge spaces
Author(s): Petru TP
Source: **CARPATHIAN JOURNAL OF MATHEMATICS** Volume: **24** Issue: **3** Special Issue: **Part 1 Sp. Iss. SI** Pages: **386-391** Part: **Part 1 Sp. Iss. SI** Published: **2008.**

FIXED POINTS FOR MULTIVALUED OPERATORS ON A SET ENDOWED WITH VECTOR-VALUED METRICS AND APPLICATIONS
Author(s): Bucur A, Guran L, Petrusel A
Source: **FIXED POINT THEORY** Volume: **10** Issue: **1** Pages: **19-34** Published: **2009.**

Source modules of blocks with normal defect groups
Author(s): Dicu C, Marcus A
Source: **ARCHIV DER MATHEMATIK** Volume: **88** Issue: **4** Pages: **289-296** Published: **APR 2007.**

Group-graded algebras and the relative projectivity of pointed groups
Author(s): Dicu C, Marcus A
Source: **QUARTERLY JOURNAL OF MATHEMATICS** Volume: **57** Pages: **309-318** Part: **Part 3** Published: **SEP 2006.**

Dicu, Camelia; Marcus, Andrei. Source modules of blocks with normal defect groups. Arch. Math. (Basel) 88 (2007), no. 4, 289-296.

Dicu, Camelia; Marcus, Andrei. Group-graded algebras and the relative projectivity of pointed groups. Q. J. Math. 57 (2006), no. 3, 309-318.

A. Horvat-Marc, Localization results via Krasnoselskii's fixed point theorem in cones, Fixed Point Theory, Cluj-Napoca, Vol. 8(2007), No. 1, 59-68.

A. Horvat-Marc, C Sabo, C. Toader, Positive Solutions of Urysohn Integral Equations, Proceedings of the7th WSEAS International Conference on Systems Theory and Scientific Computation, ISTASC'07, Vouliagmeni, Athens, Greece, August 24-26, 2007, 96-99

A. Horvat-Marc, Positive solutions for nonlinear integral equations of Hammerstein type via compression-expansion theorem, Carpathian Journal of Mathematics, Vol. 24(2008), No. 2.

A. Chis, Existence Principle for Advanced Integral Equations on Semiline, Fixed Point Theory and Applications, Volume 2007, Article ID 96941, 6 pages, doi:10.1155/2007/96941.

A. Chis-Novac, R. Precup, I.A. Rus, Data dependence of fixed points for non-self generalized contractions, Fixed Point Theory 10(2009),No.1, 73-87.

D. Muzsi, R. Precup, Non-resonance and existence for systems of non-linear operator equations, Appl. Anal. 87 (2008), 1005-1018.

D. Muzsi, Singular Sturm-Liouville boundary value problems under nonresonance conditions, Carpathian J. Math. 24, No. 1, 76-81 (2008).

T-L. Dinu, Entire solutions of sublinear elliptic equations in anisotropic media, J. Math. Anal. Appl. 322, No. 1, 382-392 (2006).

T-L. Dinu, Variational methods in the study of inequality problems for nonlinear elliptic systems with lack of compactness, Real Anal. Exch. 33, No. 1, 1-14 (2008).

T-L. Dinu, Entire solutions of multivalued nonlinear Schrödinger equations in Sobolev spaces with variable exponent, Nonlinear Anal., Theory Methods Appl. 65, No. 7 (A), 1414-1424 (2006).

H. Gonska, Paula Piţul, I. Raşa, Over-iterates of Bernstein-Stancu operators, Calcolo 44 (2007), 117-125

Georgia Irina Oros, Sufficient conditions for univalence obtained by using second order linear strong differential subordinations, Turkish Journal of Mathematics 34 (2010) , pp.13 – 20, doi:10.3906/mat-0810-6, ISSN 1300-0098, Electronic ISSN 1303-6149
Georgia Irina Oros, Gheorghe Oros, Strong differential subordination, Turkish Journal of Mathematics, 33(2009), pp. 249-257, ISSN 1300-0098, Electronic ISSN 1303-6149 [Zbl pre05613333]

Georgia Irina Oros, New results related the convexity and starlikeness of Bernardi integral operator, Hacettepe Journal of Mathematics and Statistics, Volume 38 (2), (2009), pp.137-143, ISSN 1303-5010

Georgia Irina Oros, Gheorghe Oros, Second order non-linear strong differential subordinations, Bulletin of the Belgian Mathematical Society – Simon Stevin, Vol.16(2009), pp. 171-178, ISSN: 1370-1444 [Zbl 1160.30324]

Georgia Irina Oros, Briot-Bouquet differential subordinations and superordinations using the Dziok-Srivastava differential operator, Mathematical Reports, Vol. 11(61), No.2, 2009, pp. 155-163, ISSN: 1582-3067.

Adela Olimpia Tăut , Georgia Irina Oros , Roxana Şendruţiu,On a class of univalent functions defined by Sălăgean differential operator, Banach Journal of Mathematical Analysis, Volume 3, No.1, 2009, pp.61-67 [Zbl pre05379950]

Georgia Irina Oros, A univalence preserving integral operator, Journal of Inequalities and Applications, vol. 2008, Article ID 263408, 10 pages, 2008. doi:10.1155/2008/263408, ISSN: 1025-5834; Factor de impact: 0.764

Georgia Irina Oros, Gheorghe Oros, Daniel Breaz, Sufficient conditions for univalence of an integral operator, Journal of Inequalities and Applications,Volume 2008 (2008), Article ID 127645, 7 pages, doi:10.1155/2008/127645, ISSN: 1025-5834; Factor de impact: 0.764 [Zbl pre05313257]

Georgia Irina Oros, Adriana Cătaş, and Gheorghe Oros, On Certain Subclasses of Meromorphic Close-to-Convex Functions, Journal of Inequalities and Applications,Volume 2008 (2008), Article ID 246909, 12 pages, doi:10.1155/2008/246909, ISSN: 1025-5834; Factor de impact: 0.764 [Zbl pre05313233]

Adriana Cătaş, Georgia Irina Oros, Gheorghe Oros, Differential subordinations associated with multiplier transformations, Abstract and Applied Analysis, Volume 2008 (2008), Article ID 845724, 11 pages, doi:10.1155/2008/845724, ISSN: 1085-3375; Factor de impact: 0.644 [Zbl pre05313190]

Gh. Oros, Georgia Irina Oros, A class of univalent functions which extends the class of Mocanu functions, Mathematical Reports, Vol. 10(60), No.2, 2008, pp. 165-168

Gheorghe Oros , Adela Olimpia Tăut, Best subordinats of the strong differential superordination ,Hacettepe Journal of Mathematics and Statistics, volume. 38 Issue 3 , 2009,ISSN 1303 - 5010.

Camelia Mădălina Bălăeţi, An. St. Univ. Ovidius Constanta, Seria Math., 17 (2009), 3, 37-44.

Luminita Ioana Cotirla, Diffrential subordination and superordination for analytic functions defined by integral operator, Carpathian J. Math., 25 (2009), 1,

Ogun Doğru, Carmen Muraru, *Statistical approximations by a Stancu type bivariate generalization of Meyer-Konig and Zeller type operators*, Mathematical and Computer Modelling , Vol. 48 (2008), issues 5-6, 961-968.

Radu Cristina, *On statistical approximation of a general class of positive linear operators extended in q-calculus*, Appl. Math. Comput., Vol. 215 (2009), 2317 - 2325.

Gupta Vijay., Radu Cristina, *Statistical approximation properties of q-Baskakov-Kantorovich operators,* Cent. Eur. J. Math., Vol. 7 (2009), 809 -818.

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Boriceanu, Monica-Felicia Integral inclusions through metrical fixed point theorems for ϕ-contractions. *Mathematica* 51(74) (2009), no. 1, 39-46.
Boriceanu, Monica Strict fixed point theorems and applications. *Pure Math. Appl. (PU.M.A.)* 17 (2006), no. 3-4, 241-249.
O'Regan, D.; Petruşel, A.; Petru, T. P. Fixed point results for Ćirić type contractions on a set with two separating gauge structures. *Sci. Math. Jpn.* 68 (2008), no. 3, 361-369.
Guran, Liliana; Petruşel, Adrian Existence and data dependence for multivalued weakly Ćirić-contractive operators. *Acta Univ. Sapientiae Math.* 1 (2009), no. 2, 151-159.
Guran, Liliana Multivalued Perov-type theorems in generalized metric spaces. *Surv. Math. Appl.* 4 (2009), 89-97.
Guran, Liliana Fixed points for multivalued operators with respect to a w-distance on metric spaces. *Carpathian J. Math.* 23 (2007), no. 1-2, 89-92.
Dicu, Camelia: Group graded algebras and the relative freeness of pointed groups. Mathematica 47(70) (2005), no. 2, 151-155.
Dicu, Camelia: On the multiplicity module of a pointed group. Mathematica 50(73) (2008), no. 1, 31-37.
Dicu, Camelia . Pointed groups and relative projectivity. Proceedings of the Algebra Symposium, 61--64, Editura EFES, Cluj-Napoca, 2006.
D. Andrica and I.-C. Lazăr, Discrete Morse theory and curvature properties of simplicial complexes. Automation Computers and Applied Mathematics, 17(2):5–15, 2008.
M. Puta, D.Wainberg, The stability of the equilibrium states for some mechanical systems, Studia Univ.”Babes-Bolyai”,Mathematica,Vol.LIV,Number 1, 2009,119-126.
D. Wainberg, Some mechanical systems and their equilibrium states, Acta Universitatis Apulensis,No.16(2008), 171-177.
V. Revnic, Some remarks on the discrete Morse-Smale characteristic, Acta Universitatis Apulensis,No.18(2009), 221-231.
P.C. Pop, A. Horvat-Marc & Corina Pop Sitar, An approximation algorithm for the at least version of generalized minimum spaning tree problem, Revue d'Analyse Numerique et de Theorie de l'Approximation, 35(2006), No. 1, 95-103.
Ioana Taşcu & A. Horvat-Marc, On a result of D.D. Stancu, Creative Mathematics and Informatics, 15 (2006), 59 – 68.
Ioana Taşcu & A. Horvat-Marc, Construction of Stancu-Hurwitz operator for two variables, ICATMI 2005, International Conf. on Theory and Applic. of Math. and Inf., Alba Iulia, sub egida IMAR, 97-103, ISSN: 1582-5329

Ioana Taşcu, A. Horvat-Marc, Cubature formulas of Gauss-Mehler type, MicroCAD 2005, Proceeding of the International Scientific Conference Univ. of Miskolc, Hungary, 167-173
P.C. Pop, A. Horvat-Marc & Corina Pop Sitar, At least version of generalized minimum spaning tree problem, Carpathian Mathematics, 22(2006), No. 1-2, 129 – 135.
A. Chis, Continuation methods for integral equations in locally convex spaces, Stud. Univ. Babeş-Bolyai, Math. 50, No. 3, 65-79 (2005).
A. Chis, Fixed point theorems for multivalued generalized contractions on complete gauge spaces, Carpathian Journal of Mathematics 22(1-2), 2006, 33-38.
A. Chis, Initial value problem on semi-line for differential equation with advanced argument, Fixed Point Theory 7(1), 2006, 37-42.
D. Muzsi, Note on a two-point boundary value problem under nonresonance condition, Studia Univ Babes-Bolyai Math. 50 (2005), 63-70.
D. Muzsi, A theory of semilinear operator equations under nonresonance conditions, Nonlinear Funct. Anal. Appl. 13, No. 1, 69-85 (2008).
D. Muzsi, R. Precup, Nonresonance theory for semilinear operator equations under regularity conditions, Ann. Tiberiu Popovici Semin. Funct. Equ. Approx. Convexity 6, 75-89 (2008).
T-L. Dinu, On a nonlinear eigenvalue problem in Sobolev spaces with variable exponent, Sib. Èlektron. Mat. Izv. 2, 208-217, electronic only (2005).
T-L. Dinu, Subcritical perturbations of resonant linear problems with sign-changing potential, Electron. J. Differ. Equ. 2005, Paper No. 117, 15 p., electronic only (2005).
T-L. Dinu, Standing wave solutions of Schrödinger systems with discontinuous nonlinearity in anisotropic media, Int. J. Math. Math. Sci. 2006, No. 12, Article ID 73619, 13 p. (2006)
T-L. Dinu, Ground state solutions of nonlinear stationary Schrödinger systems with discontinuous nonlinearity and variable potential, Georgian Math. J. 13, No. 3, 433-445 (2006).
Kupán Pal (în colaborare cu R. Szasz), Geometric properties of a particular function, Mathematica **51 (74) (2009),** No. 2, 173-180
Vlad Ciobotariu-Boer, Generalizations of some properties of convex functions, Journal of Mathematical Inequalities **3 (2009),** No. 1, 107-113
Alin V. Roşca, Risk management using VAR simulation with applications to Bucharest exchange, Acta Universitatis Apulensis No. 16 (**2008**), 23-36
Alin V. Roşca, A mixed Monte Carlo and quasi-Monte Carlo method with application to mathematical finance, Studia Univ. Babeş-Bolyai, Mathematica **53 (2008),** No. 2, 57-76
Paul Kupan, Monotone interpolant buil with slopes obtained by linear combination, Studia Univ. Babeş-Bolyai, Mathematica **53 (2008),** No. 4, 57-76
Paul Kupan, Shape preserving quadratic interpolation at Greville abscissae, Creative Math. & Inf**. 17 (2008),** No. 2, 70 – 80
Vlad Ciobotariu-Boer, On the Lupaş functional for twice differentiable functions, Creative Math. & Inf**. 17 (2008),** No. 2, 147 – 152
Vlad Ciobotariu-Boer, An integral inequality for 3-convex functions, JIPAM **9 (2008),** No. 4, art. 98, 10pp
Alin V. Roşca, A mixed Monte Carlo and quasi-Monte Carlo sequence for multidimensional integral estimation, Acta Universitatis Apulensis No. 14 (**2007**), 141-160
Ana Maria Acu, Moment preserving spline approximation on finite intervals and Chakalov-Popoviciu quadratures, Acta Universitatis Apulensis No. 13 (**2007**), 37-56
Vlad Ciobotariu-Boer, On a property of convex functions, General Mathematics **15 (2007),** No. 1, 111-126
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Ana Maria Acu, Spline quasi-interpolants and quadrature formulas, Acta Universitatis Apulensis No. 13 (**2007**), 21-36
Ana Maria Acu, Monosplines and inequalities for the remainder term of quadrature formulas, General Mathematics **15 (2007),** No. 1, 81-92
Ana Maria Acu (în colaborare cu E. Constantinescu), Some preserving properties of a integral operator, General Mathematics **15 (2007),** Nos. 2–3, 184-189
Alin V. Roşca, A Multidimensional Stock Market Model, In: Proceedings of the International Conference on Numerical Analysis and Approximation Theory, Cluj-Napoca, Romania, **2006**, pp. 377-386

Ana Maria Acu, Optimal quadrature formulas in the sense of nikolski, General Mathematics **14 (2006),** No. 2, 109-119
Diana Otrocol, Iterative functional-differential system with retarded argument, Revue de l'Analyse Numérique et de Théorie de l'Approximation **35 (2006)**, No. 2 147-160
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Diana Otrocol, Numerical solutions of Lotka-Volterra system with delay by spline functions of even degree, Studia Univ. Babeş-Bolyai, Mathematica **51 (2006),** No. 4, 167-180
Paula Piţul (în colaborare cu H. Gonska, D. Kacso, O. Nemitz), Piecewise linear interpolation revisited: blac-wavelets, Studia Univ. Babeş-Bolyai, Mathematica **51 (2006),** No. 4, 105-115
Paula Piţul (în colaborare cu H. Gonska, I. Raşa), On differences of positive linear operators, Carpathian J. Math. **22 (2006),** 65–78
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Paula Piţul (în colaborare cu H. Gonska), Remarks on an article of J. P. King, Comment. Math. Uiv. Carolinae **46 (2005),** No. 4, 645-652
Paula Piţul (în colaborare cu H. Gonska, D. Kacso), On rational B-spline functions, In Borislav D. Bojanov, editor, Constructive Theory of Functions: Varna 2005, pages 145–157, Sofia, Bulgaria, 2006, Marin Drinov Academic Publishing House
Diana Otrocol, A numerical method for approximating the solution of a Lotka-Volterra system with two delays, Studia Univ. Babeş-Bolyai, Mathematica **50 (2005),** No. 1, 99-110
Alin V. Roşca (în colaborare cu N. Roşca), A frequency assignment problem, ROMAI J. **2(2005),** No. 1, 157–162
I.I. Mezei, Multiple solutions for a double eigenvalue elliptic problem in double weighted Sobolev spaces, Studia Univ. "Babes-Bolyai", Mathematica, Vol. LIII, Nr. 3, (2008), pp. 33-48.
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I I. Mezei, L. Săplăcan, Existence results and applications for general variational-hemivariational inequalities on unbounded domains, Electron. J. Diff. Eqns., Vol. 2009(2009), No. 48, pp. 1-10.
I.I. Mezei, T. Kovács: Multiple solutions for a homogeneous semilinear problem in double weighted Sobolev spaces, Studia Univ. "Babes-Bolyai", Mathematica, Vol. LIV, No.3, (2009), pp. 99-112.
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Camelia Mădălina Bălăeţi, *A class of golomorphic functions defined by integral oprator,* Acta Universitatis Apulensis, Mathematics-Informatics, 15 (2008) 379-386
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5. Brevete naţionale şi internaţionale NU SUNT

6. Realizări artistice naţionale şi internaţionale (Domeniul Arte) (Expoziţii, spectacole, concerte, publicaţii, filme, înregistrări) NU SUNT

7. Impactul în societate al lucrărilor produse: Peste 100 de citări in literatura de specialitate.

8. Absolventi angajati în pozitii importante în institutii relevante

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Dr. Calin Martin, UCL, California, SUA
Dr. Caius Gavrila, Universitatea Tor Vergata, Roma, Italia
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Dr. Liviu Mare, Universitatea Regina, Canada
Diana Ivan, Editor EUROSTAT-the Statistical Office of the European Communities
Dr. Bede Barnabas, Assistant Professor, The Pan American University of Texas
Prof.dr. Ioan Ban – Universitatea din Oradea
Conf.dr. Nicolae Crainic – Universitatea "1 Decembrie 1918" din Alba Iulia
Conf. Dr. Nicoleta Marcela Mera (Breaz)– Universitatea "1 Decembrie 1918" din Alba Iulia
Carinic Marius, Profesor la Universitatea din Utrecht, Olanda
Gavril Farkas, Profesor la Universitatea din Humboldt din Berlin, Germania

F. Se ataşează dosarul individual pentru fiecare cadru didactic implicat în program

Data: Semnătura directorului

Certific validitatea datelor prezentate:

Decan,