Anexa 2a

Titlu proiect: PROPRIETĂŢI CALITATIVE ALE MULŢIMII SOLUŢIILOR INCLUZIUNILOR DIFERENŢIALE
Categoria de proiect: Exploratory research project PN-II-ID-PCE-2011-3-0154
Contractul de finanţare: 244 / 05.10.2011
Manager proiect: prof. dr. Ovidiu Cârjă

Lista rezultate

Nr. crt.	NUME AUTORI	TITLUL ARTICOLULUI/ CĂRŢII / COMUNICĂRII ŞTIINŢIFICE	REVISTA / VOLUMUL/EDITURA IN CARE A APARUT / CONFERINTA LA CARE S-A COMUNICAT	ANUL PUBLICARII/ COMUNICARII
		ARTICOLE ISI		
1	Cârjă O.	The minimum time function for semilinear evolutions	SIAM Journal on Control and Optimization	2012
2	Cârjă O., Lazu A. I.	Approximate weak invariance for differential inclusions in Banach spaces	Journal of Dynamical and Control Systems	2012
3	Cârjă O., Lazu A. I.	On the regularity of the solution map for differential inclusions	Dynamic Systems and Applications	2012
4	Baier R., Din Q., Donchev T.	Higher order Runge-Kutta methods for impulsive differential systems	Applied Mathematics and Computation	2012
5	Din Q., Donchev T., Kolev D.	Filippov--Pliss lemma and m-dissipative differential inclusions	J. Glob. Optim.	2013
6	Cârjă O., Donchev T., Postolache V.	Nonlinear Evolution Inclusions with One-sided Perron Right-hand Side	Journal of Dynamical and Control Systems	2013
7	Din Q., Donchev T., Kolev D.	Numerical Approximations of Impulsive Delay Differential Equations	Numerical Functional Analysis and Optimization	2013
8	Donchev T., Lazu A. I., Nosheen A.	One-sided Perron Differential Inclusions	Set-Valued Var. Anal.	2013
9	Din Q., Donchev T.	Global character of a host-parasite model	Chaos, Solitons & Fractals	2013
10	Donchev T., Nosheen A.	Fuzzy functional differential equations under dissipative-type conditions	Ukrainian Mathematical Journal	2013

11	Cârjă O., Lazu A. I.	Lower semi-continuity of the solution set for semi-linear differential inclusions	Journal of Mathematical Analysis and Applications	2012
12	T. Donchev, A. Nosheen	Fuzzy differential equations under dissipative and compactness type conditions	Electronic Journal of Differential Equations	2014
13	E. Farkhi, T. Donchev, R. Baier	Existence of solutions for nonconvex differential inclusions of monotone type	C.R. Acad. Bulg. Sci.	2014
14	T. Donchev, A. Nosheen, V. Lupulescu	Fuzzy integro-differential equations with compactness type conditions	Hacettepe Journal of Mathematics and Statistics	2014
15	O. Cârjă, T. Donchev, V. Postolache	Relaxation results for nonlinear evolution inclusions with one-sided Perron right-hand side	Set-Valued Var. Anal.	2014
16	O. Cârjă, T. Donchev, M. Rafaqat, R. Ahmed,	Viability of fractional differential inclusions	Applied Mathematics Letters	2014
17	T. Donchev, A. Nosheen	Value function and optimal control of differential inclusions	Annals of the Alexandru Ioan Cuza University - Mathematics	2014
18	Q. Din, T. Donchev, A. Nosheen, M. Rafaqat	Runge-Kutta methods for differential equations with variable time of impulses	Numerical Functional Analysis and Optimization	2015
19	O. Benniche, O. Cârjă	Approximate and near weak invariance for nonautonomous differential inclusions	J. Dyn Control Syst.	2016
20	O. Cârjă, T. Donchev, A. I. Lazu	Generalized solutions of semilinear evolution inclusions	SIAM J. Optim.	2016
21	O. Benniche, O. Cârjă	Viability for quasi-autonomous semilinear evolution inclusions	Mediterranean Journal of Mathematics	2016
	ARTICOLE ALTE BAZE DE DATE			
1	Donchev T., Nosheen A., Pecaric J.	Hardy-Type Inequalities on Time Scale via Convexity in Several Variables	ISRN Mathematical Analysis	2013
2	Donchev T., Kolev D., Nakagawa K.	Weakened Condition for the Stability to solutions of Parabolic Equations with "Maxima"	Journal of Prime Research in Mathematics	2013
3	T. Donchev, D. Kolev, A. Nosheen, M. Rafaqat, A. Zeinev	Numerical methods for delayed differential equations with discontinuities	Pliska Stud. Math. Bulgar.	2014

4	T. Donchev, A. Nosheen, R. Ahmed	On the solution set of fuzzy systems	Contemporary Methods in Mathematical Physics and Gravitation	2015
5	R. Ahmed, T. Donchev, A. I. Lazu, A. Nosheen, M. Rafaqat, , 109 (1), 49-66, 2016.	On the solution set of multivalued fuzzy fractional systems	International Journal of Pure and Applied Mathematics	2016
CARTI				
DOCUMENTATIE TEHNICA, BREVETE				
COMUNICARI STIINTIFICE NATIONALE				
1.	A. I. Lazu	On the continuity of the minimal time function	Firt RoAIMS Applied and Industrial Mathematics Symposium, Iasi	2013
2.	O. Cârjă, A. I. Lazu	Estimates for slow controls	Scientific Session of Comunications, Faculty of de Mathematics, "Al. I. Cuza" University of Iasi	2014
3.	O. Cârjă	On the equivalence between the minimum time problem and the minimum norm problem	Scientific Session of Comunications, "O. Mayer" Mathematical Institute, Iasi	2014
4.	O. Cârjă	Viability for quasi-autonomous semilinear evolution inclusions	Iasi Academic Days, Scientific Session of Comunications, "O. Mayer" Mathematical Institute	2015
COMUNICARI STIINTIFICE INTERNATIONALE				
1.	O. Cârjă	Null controllability in minimum time for a semi-linear control system	Numerical Analysis and Optimization - Theory and Applications, Dhahran, Arabia Saudita	2011
2.	V. Postolache	Filippov-Plis lemma and viability problems for evolution inclusions	12th Viennese Workshop on Optimal Control, Dynamic Games and Nonlinear Dynamics, Viena	2012
3.	O. Cârjă	Regularity of the Solution Map for Differential inclusions	International Conference on Controlled Deterministic and Stochastic Systems, Iasi	2012
4.	V. Postolache	Invariance for fully nonlinear differential inclusions	International Conference on Controlled Deterministic and Stochastic Systems, Iasi	2012
5.	O. Cârjă	Regularity of the State Constrained Minimal time Function	9th International Conference on "Large-Scale Scientific Computations", Sozopol	2013
6.	T. Donchev	Runge-Kutta Approximation of Impulsive Systems	9th International Conference on "Large-Scale Scientific Computations", Sozopol	2013
7.	O. Cârjă	Estimates for slow controls	International Conference "DYNAMICAL SYSTEMS: STABILITY, CONTROL, OPTIMIZATION"(DSSCO'13), Minsk	2013
8.	A. I. Lazu	Estimates for large time controls	The 10th AIMS Conference on Dynamical Systems, Differential Equations and Applications,	2014

			Madrid	
9.	A. I. Lazu	Generalized solutions of semilinear evolution inclusions	International Conference on Applied and Pure Mathematics, Iasi	2015
10.	A. I. Lazu	Generalized solutions for semilinear differential inclusions in Banach spaces	7th European Congress of Mathematics, Berlin	2016
ATLASE, DICTIONARE DE SPECIALITATE				
ALTE PUBLICATII				

Lista achiziţiilor realizate în cadrul proiectului

Denumire echipament	Categorie de achiziţii*: (numai mijloace fixe)	Valoarea (lei)	Locaţie
Laptop Toshiba R830-12	4	4.369,76	UAIC, Facultatea de Matematica
Tablet PC Acer A500-2 buc.	4	3.747,28	UAIC, Facultatea de Matematica
Computer Dell 990 MT	4	3.923,36	UAIC, Facultatea de Matematica
Laptop Dell E6220	4	5.361,76	UAIC, Facultatea de Matematica
Laptop Apple Mackbook Air MD 760	4	4.456,45	UAIC, Facultatea de Matematica

Categorie de achiziţii*:

1. Echipamente şi aparatură de cercetare
2. Reţele de comunicaţii specializate
3. Baze de date şi informaţii de specialitate
4. Echipamente şi mijloace moderne de documentare şi comunicare
5. Alte categorii

Director proiect,
prof. dr. Ovidiu Cârjă