ACADEMIA ROMÂNĂ
SCOSAAR

Anexa nr. 2

FIŞA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE conform CNATDCU

Candidat: Rotenștein Eduard-Paul

I = 5.784 I_{recent} = 4.319 C = 24

Fişa de verificare a îndeplinirii standardelor minimale pentru Comisia de Matematică. Dintre lucrările publicate, în tabelul de mai jos am prezentat lucrările cu scor relativ de influență mai mare sau egal cu 0.5 şi care se încadrează domeniului comisiei de specialitate (sunt indexate în bazele de date: Mathematical Reviews şi Zentralblatt Math).

Lucrări:

Numărul publicației	Referința bibliografică	Publicat în ultimii 7 ani (DA/NU)	s_i	n_i	s_i/n_i
1.	Aurel Răşcanu, Eduard-Paul Rotenstein, *The Fitzpatrick function - a bridge between convex analysis and multivalued stochastic differential equations*, **J. Convex Anal.**, 18, No. 1, pp. 105-138, 2011 (**MR2777600,** Zbl 05834212, WOS: 000286151200006)	NU	0.908	2	0.454
2.	Lucian Maticiuc, Eduard-Paul Rotenstein, *Numerical Schemes for Multivalued Backward Stochastic Differential Systems*, **Cent. Eur. J. Math.** (nume actual **Open Math.**), 10(2), pp. 693-702, 2012 (MR2886566, Zbl 06039976, WOS: 000301047500021)	NU	0.740	2	0.370
3.	Anouar Gassous, Aurel Răşcanu, Eduard-Paul Rotenstein, *Stochastic variational inequalities with oblique subgradients*, **Stoch. Process. Appl.**, Volume 122, Issue 7, pp. 2668–2700, 2012 (MR2926171, Zbl 06052940, WOS: 000305661000006)	NU	1.924	3	0.641
4.	Aurel Răşcanu, Eduard-Paul Rotenstein, *A non-convex setup for multivalued differential equations driven by oblique subgradients*, **Nonlinear Anal.-Theor.**, Volume 111, pp. 82-104, 2014 (MR3263505, Zbl 06351524, WOS: 000343141600005)	DA	1.643	2	0.822
5.	Marius Apetrii, Mihaela-Hanako Matcovschi, Octavian Păstrăvanu, Eduard-Paul Rotenstein,	DA	0.618	4	0.155

	Invariance for stochastic differential systems with time-dependent constraining sets, **Acta Math. Sin., English Series**, Volume 31, Issue 7, pp. 1171-1188, 2015 (**MR3360781**, Zbl 06457539, WOS: 000356877100010)				
6.	Anouar Gassous, Aurel Răşcanu, Eduard-Paul Rotenstein, *Multivalued BSDEs with oblique subgradients*, **Stoch. Process. Appl.**, Volume 125, Issue 8, pp. 3170–3195, 2015 (**MR3343291,** Zbl 06440579, WOS:000355038800011)	DA	1.924	3	0.641
7.	Dan Goreac, Claudia Alexandra Grosu, Eduard-Paul Rotenstein, *Approximate and approximate null-controllability of a class of piecewise linear Markov switch systems*, **Syst. & Control Lett.**, Volume 96 (October), pp. 118-123, 2016 (**MR3547664,** Zbl 06640035, WOS:000384788100017)	DA	2.276	3	0.759
8.	Dan Goreac, Eduard-Paul Rotenstein, *Infection Time in Multistable Gene Networks. A Backward Stochastic Variational Inequality with Nonconvex Switch-Dependent Reflection Approach*, **Set-Valued Var. Anal.**, Volume 24(4), pp. 707-734, 2016 (**MR3570351,** Zbl 06678157, WOS:000393231300011)	DA	1.652	2	0.826
9.	Aurel Răşcanu, Eduard-Paul Rotenstein, *Obstacle problems for parabolic SDEs with Hölder continuous diffusion: from weak to strong solutions*, **J. Math. Anal. Appl.**, Volume 450, Issue 1 (June, 1), pp. 647–669, 2017 (**MR3606187,** Zbl 06684656, WOS: 000394404800035)	DA	1.164	2	0.582
10.	Lucian Maticiuc, Eduard-Paul Rotenstein, *Anticipated backward stochastic variational inequalities with generalized reflection*, **Stoch. Dyn.**, Vol. 18, No. 2, article ID: 1850008, pages: 1-21, DOI: 10.1142/S0219493718500089, 2018 (**MR3735409**, Zbl 06820899, WOS: 000417743600002)	DA	1.068	2	0.534
	TOTAL:			I =	5.784
				I_{recent} =	4.319

Citări în reviste cu scor relativ de influență mai mare sau egal cu 0.5 și care <u>se încadrează domeniului comisiei de specialitate (sunt indexate în bazele de date: Mathematical Reviews și Zentralblatt Math)</u>:

<table>
<tr><th>Numărul publicației care citează</th><th>Referința bibliografică a publicației care citează</th><th>s_i (2019)</th></tr>
<tr><td colspan="3">Saïd Hamadène, Eduard-Paul Rotenstein, Adrian Zălinescu, A generalized mixed zero-sum stochastic differential game and double barrier reflected BSDEs with quadratic growth coefficient, An. Stiint. U. Al. I-Mat., Tomul LV, f2, pp. 419-444, 2009 (MR2562257, Zbl 05649815, WOS:000270601000013)</td></tr>
<tr><td>1.</td><td>Zhou Yang, Shanjian Tang, Dynkin Game of Stochastic Differential Equations with Random Coefficients and Associated Backward Stochastic Partial Differential Variational Inequality, SIAM J. Control Optim. 51-1 (2013), pp. 64-95</td><td>2.231</td></tr>
<tr><td>2.</td><td>Erhan Bayraktar, Song Yao, Doubly Reflected BSDEs with Integrable Parameters and Related Dynkin Games, Stoch. Proc. App., Volume 125, Issue 12, (December 2015), pp. 4489–4542</td><td>1.673</td></tr>
<tr><td>3.</td><td>Erhan Bayraktar, Song Yao, On the Robust Dynkin Game, Ann. Appl. Probab., Volume: 27 Issue: 3 (June 2017), pp.1702-1755</td><td>2.492</td></tr>
<tr><td>4.</td><td>Zhou Yang, Hyeng Keun Koo, Optimal Consumption and Portfolio Selection with Early Retirement Option, Math. Oper. Res., vol. 43, no. 4, November 2018, pp. 1051-1404</td><td>2.870</td></tr>
<tr><td>5.</td><td>Monia Karouf, Reflected solutions of backward doubly SDEs driven by Brownian motion and Poisson random measure, Discrete Cont. Dyn–A, 39(10) (October 2019), pp. 5571-5601</td><td>1.541</td></tr>
<tr><td colspan="3">Aurel Răşcanu, Eduard-Paul Rotenstein, The Fitzpatrick function - a bridge between convex analysis and multivalued stochastic differential equations, J. Convex Anal., 18, No. 1 (January), pp. 105-138, 2011 (MR2777600, Zbl 05834212, WOS:000286151200006)</td></tr>
<tr><td>6.</td><td>Viorel Barbu, Zdzislaw Brzezniak, Erika Hasusenblas, Luciano Tubaro, Existence and convergence results for infinite dimensional nonlinear stochastic equations with multiplicative noise, Stoch. Proc. App., Volume 123, Issue 3, (March 2013), pp. 934-951</td><td>1.673</td></tr>
<tr><td>7.</td><td>Bakarime Diomande, Lucian Maticiuc, Multivalued backward stochastic differential equations with time delayed generators, Cent. Eur. J. Math., Volume 12, Issue 11 (2014), pp. 1624-1637</td><td>0.740</td></tr>
<tr><td>8.</td><td>Lucian Maticiuc, Aurel Răşcanu, Backward Stochastic Variational Inequalities on Random Interval, Bernoulli, no. 2 (2015), pp. 1166–1199 (ISI)</td><td>2.203</td></tr>
<tr><td>9.</td><td>Lucian Maticiuc, Aurel Răşcanu, Leszek Słominski, Mateusz Topolewski, Càdlàg Skorokhod problem driven by a maximal monotone operator, J. Math. Anal. Appl., no. 2 (2015), pp. 1305–1346</td><td>1.104</td></tr>
<tr><td>10.</td><td>Rainer Buckdahn, Lucian Maticiuc, Etienne Pardoux, Aurel Răşcanu, Stochastic Variational Inequalities on Non-Convex Domains, J. Differ. Equations, vol. 259, no. 12 (2015), pp. 7332–7374</td><td>2.403</td></tr>
<tr><td colspan="3">Lucian Maticiuc, Eduard-Paul Rotenstein, Numerical Schemes for Multivalued Backward Stochastic Differential Systems, Cent. Eur. J. Math., 10(2), pp. 693-702, 2012 (MR2886566, Zbl 06039976, WOS:000301047500021)</td></tr>
<tr><td>11.</td><td>Bakarime Diomande, Lucian Maticiuc, Multivalued backward stochastic differential equations with time delayed generators, Cent. Eur. J. Math.,</td><td>0.740</td></tr>
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<tr><td></td><td>Volume 12, Issue 11 (2014), pp. 1624-1637</td><td></td></tr>
<tr><td>12.</td><td>Kazem Nouri, Hasan Ranjbar, Mean Square Convergence of the Numerical Solution of Random Differential Equations, Mediterr. J. Math., Volume 12, Issue 3 (July 2015), pp. 1123-1140</td><td>0.573</td></tr>
<tr><td>13.</td><td>Lucian Maticiuc, Aurel Răşcanu, Backward Stochastic Variational Inequalities on Random Interval, Bernoulli, no. 2 (2015), pp. 1166–1199</td><td>2.203</td></tr>
<tr><td colspan="3">Anouar Gassous, Aurel Răşcanu, Eduard-Paul Rotenstein, Stochastic variational inequalities with oblique subgradients, Stoch. Process. Appl., Volume 122, Issue 7 (July), pp. 2668–2700, 2012 (MR2926171, Zbl 06052940, WOS:000305661000006)</td></tr>
<tr><td>14.</td><td>Etienne Pardoux, Aurel Răşcanu, Stochastic differential equations, Backward SDEs, Partial differential equations, Stochastic Modelling and Applied Probability, Vol. 69, XVII, Springer, 2014.</td><td>Springer monograph</td></tr>
<tr><td>15.</td><td>Adrian Zălinescu, Stochastic variational inequalities with jumps, Stoch. Proc. App., Volume 124, Issue 1, (January 2014), pp. 785-811</td><td>1.673</td></tr>
<tr><td>16.</td><td>Lucian Maticiuc, Aurel Răşcanu, Leszek Słominski, Mateusz Topolewski, Càdlàg Skorokhod problem driven by a maximal monotone operator, J. Math. Anal. Appl., no. 2 (2015), pp. 1305–1346</td><td>1.104</td></tr>
<tr><td>17.</td><td>Rainer Buckdahn, Lucian Maticiuc, Etienne Pardoux, Aurel Răşcanu, Stochastic Variational Inequalities on Non-Convex Domains, J. Differ. Equations, vol. 259, no. 12 (2015), pp. 7332–7374</td><td>2.403</td></tr>
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<tr><td>18.</td><td>Lucian Maticiuc, Aurel Răşcanu, Leszek Słominski, Mateusz Topolewski, Càdlàg Skorokhod problem driven by a maximal monotone operator, J. Math. Anal. Appl., no. 2 (2015), pp. 1305–1346</td><td>1.104</td></tr>
<tr><td>19.</td><td>Rainer Buckdahn, Lucian Maticiuc, Etienne Pardoux, Aurel Răşcanu, Stochastic Variational Inequalities on Non-Convex Domains, J. Differ. Equations, vol. 259, no. 12 (2015), pp. 7332–7374</td><td>2.403</td></tr>
<tr><td>20.</td><td>Viorel Barbu, Stefano Bonaccorsi, Luciano Tubaro, Stochastic differential equations with variable structure driven by multiplicative Gaussian noise and sliding mode dynamic, Math. Control Signals Syst., 28 (2016), no. 3, Art. 26, doi:10.1007/s00498-016-0178-105591v1</td><td>1.511</td></tr>
<tr><td colspan="3">Marius Apetrii, Mihaela-Hanako Matcovschi, Octavian Păstrăvanu, Eduard-Paul Rotenstein, Invariance for stochastic differential systems with time-dependent constraining sets, Acta Math. Sin., English Series, Volume 31, Issue 7 (July), pp. 1171-1188, 2015 (MR3360781, Zbl 06457539, WOS: 000356877100010)</td></tr>
<tr><td>21.</td><td>Liping Xu, Jiaowan Luo, Invariance of Closed Convex Sets for Stochastic Functional Differential Equations, Mediterr. J. Math., August 2018, 15: 162, https://doi.org/10.1007/s00009-018-1199-4</td><td>0.573</td></tr>
<tr><td colspan="3">Anouar Gassous, Aurel Răşcanu, Eduard-Paul Rotenstein, Multivalued BSDEs with oblique subgradients, Stoch. Process. Appl., Volume 125, Issue 8 (August), pp. 3170–3195, 2015 (MR3343291, Zbl 06440579, WOS:000355038800011)</td></tr>
<tr><td>22.</td><td>Lucian Maticiuc, Aurel Răşcanu, On the continuity of the probabilistic representation of a semilinear Neumann–Dirichlet problem, Stoch. Proc. App., Volume 126, Issue 2 (February 2016), pp. 572–607</td><td>1.673</td></tr>
<tr><td colspan="3">Dan Goreac, Claudia Alexandra Grosu, Eduard-Paul Rotenstein, Approximate and approximate null-controllability of a class of piecewise linear Markov switch systems, Syst. & Control Lett., Volume 96 (October), pp. 118-123, 2016 (MR3547664, Zbl 06640035, WOS:000384788100017)</td></tr>
<tr><td>23.</td><td>Dan Goreac, Approximately Reachable Directions for Piecewise Linear Switched Systems, Math. Control Signals Syst., Volume</td><td>1.511</td></tr>
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<tr><td></td><td>31, Issue 3, pp 333–362, September 2019</td><td></td></tr>
<tr><td colspan="3">Aurel Răşcanu, Eduard-Paul Rotenstein, Obstacle problems for parabolic SDEs with Hölder continuous diffusion: from weak to strong solutions, J. Math. Anal. Appl., Volume 450, Issue 1 (June, 1), pp. 647–669, 2017 (MR3606187, Zbl 06684656, WOS: 000394404800035)</td></tr>
<tr><td>24.</td><td>Jonas M.Tölle, Stochastic evolution equations with singular drift and gradient noise via curvature and commutation conditions, Stoch. Process. Appl., https://doi.org/10.1016/j.spa.2019.09.011, available online September 2019</td><td>1.673</td></tr>
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