# Fișa de verificare a îndeplinirii standardelor minimale

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Lucrări publicate în reviste cu SRI cel puțin egal cu 0.5

| Nr.crt. | Articol, referinţa bibliografică | Publicat în ultimii 7 ani [2014-2020] | s.i.max [2016-2020] | n.i. | s.i.max/n.i. |
|---|---|---|---|---|---|
| 1 | S. Treanţă, C. Vârsan, *Weak small controls and approximations associated with controllable affine control systems*, Journal of Differential Equations, 255, 7, 1867-1882, 2013; WOS: 000322092900018; ISSN: 0022-0396. [Mathematics] | NU | 2,596 [2017] | 2 | 1,298 |
| 2 | S. Treanţă, *Higher-order Hamilton dynamics and Hamilton-Jacobi divergence PDE*, Computers and Mathematics with Applications, 75, 2, 547-560, 2018; WOS: 000427333100015; ISSN: 0898-1221. [Mathematics, Applied] | DA | 1,334 [2020] | 1 | 1,334 |
| 3 | S. Treanţă, M. Arana-Jiménez, *KT-pseudoinvex multidimensional control problem*, Optimal Control, Applications and Methods, 39, 4, 1291-1300, 2018; WOS: 000438514000002; ISSN: 0143-2087. [Mathematics, Applied] | DA | 1,015 [2016] | 2 | 0,5075 |
| 4 | S. Treanţă, *On a new class of vector variational control problems*, Numerical Functional Analysis and Optimization, 39, 14, 1594-1603, 2018; WOS: 000467257300006; ISSN: 0163-0563. [Mathematics, Applied] | DA | 0,733 [2018] | 1 | 0,733 |
| 5 | S. Treanţă, *Noether-type first integrals associated with autonomous second-order Lagrangians*, Symmetry, 11(9), 1088, 8 pages, 2019; WOS: 000489177900024; ISSN: 2073-8994. [Multidisciplinary Sciences] | DA | 0,838 [2016] | 1 | 0,838 |
| 6 | S. Treanţă, M. Arana-Jiménez, T. Antczak, *A necessary and sufficient condition on the equivalence between local and global optimal solutions in variational control problems*, Nonlinear Analysis-Theory Methods & Applications, 191, UNSP 111640, 8 pages, 2020; WOS: 000500478900002; ISSN: 0362-546X. [Mathematics] | DA | 1,752 [2020] | 3 | 0,584 |

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|---|---|---|---|---|---|
| 7 | S. Treanţă, Șt. Mititelu, *Efficiency for variational control problems on Riemann manifolds with geodesic quasiinvex curvilinear integral functionals*, Revista de la Real Academia de Ciencias Exactas Fisicas y Naturales Serie A-Matematicas, 114(3), 113, 15 pages, 2020; WOS: 000529292100002; ISSN: 1578-7303. [Mathematics] | DA | 0,757 [2020] | 2 | 0,3785 |
| 8 | S. Treanţă, *On Modified Interval-Valued Variational Control Problems with First-Order PDE Constraints*, Symmetry, 12(3), 472, 10 pages, 2020; WOS: 000525824300147, ISSN: 2073-8994. [Multidisciplinary Sciences] | DA | 0,838 [2016] | 1 | 0,838 |
| 9 | S. Treanţă, *On Geodesic Behavior of Some Special Curves*, Symmetry, 12(4), 504, 11 pages, 2020; WOS: 000540222200015; ISSN: 2073-8994. [Multidisciplinary Sciences] | DA | 0,838 [2016] | 1 | 0,838 |
| 10 | S. Treanţă, *Saddle-point optimality criteria in modified variational control problems with PDE constraints,* Optimal Control, Applications and Methods, 41, 4, 1160-1175, 2020; WOS: 000544522000009; ISSN: 0143-2087. [Mathematics, Applied] | DA | 1,015 [2016] | 1 | 1,015 |
| 11 | S. Treanţă, *A necessary and sufficient condition of optimality for a class of multidimensional control problems,* Optimal Control, Applications and Methods, 41, 6, 2137-2148, 2020; WOS: 000551334900001; ISSN: 0143-2087. [Mathematics, Applied] | DA | 1,015 [2016] | 1 | 1,015 |
| 12 | S. Treanţă, *Constrained variational problems governed by second-order Lagrangians,* Applicable Analysis, 99, 9, 1467-1484, 2020; WOS: 000544485400002; ISSN: 0003-6811. [Mathematics, Applied] | DA | 0,832 [2018] | 1 | 0,832 |
| Total: 12 | | S = 10,211<br>S_recent = 8,913 | | (S_min = 5)<br>(S_recent_min = 2,5) | |

Data: 12.03.2021

Citări în reviste cu SRI cel puţin egal cu 0.5

| Nr. publicaţie care citează | Referinţa bibliografică a publicaţiei care citează | s.i.max [2016-2020] |
|---|---|---|
| I) Șt. Mititelu, S. Treanţă, Efficiency conditions in vector control problems governed by multiple integrals, J. Appl. Math. Comput., 57, 1-2, 647-665, 2018, WOS: 000430674500032; ISSN: 1598-5865. | | |
| 1 | M. J. Vivas-Cortez, A. Kashuri, R. Liko, J. E. Hernández Hernández (2019), Quantum Estimates of Ostrowski Inequalities for Generalized phi-Convex Functions, Symmetry-Basel, WOS: 000508127700084; ISSN: 2073-8994. | 0.838 [2016] |
| 2 | A. Jayswal, Preeti (2019), Saddle-point criteria for multi-dimensional control optimization problem involving first-order PDE constraints, International Journal of Control, WOS: 000486428800001; ISSN: 0020-7179. | 1.299 [2017] |
| 3 | S. A. Urziceanu (2019), Necessary Optimality Conditions in Isoperimetric Constrained Optimal Control Problems, Symmetry-Basel, WOS: 000502276600055; ISSN: 2073-8994. | 0.838 [2016] |
| 4 | A. Jayswal, Preeti (2020), An exact l1 penalty function method for multi-dimensional first-order PDE constrained control optimization problem, European Journal of Control, WOS: 000518502000005; ISSN: 0947-3580. | 1,561 [2018] |
| 5 | M. J. Vivas-Cortez, A. Kashuri, R. Liko, J. E. Hernández Hernández (2020), Some New q-Integral Inequalities Using Generalized Quantum Montgomery Identity via Preinvex Functions, Symmetry-Basel, WOS: 000540222200064; ISSN: 2073-8994. | 0.838 [2016] |
| 6 | S. Singh, A. Pitea, X, Qin (2019), An iterative method and weak sharp solutions for multitime-type variational inequalities, Applicable Analysis, WOS:000491825600001; ISSN: 0003-6811. | 0,832 [2018] |
| II) S. Treanţă, KT-Geodesic Pseudoinvex Control Problems Governed by Multiple Integrals, Journal of Nonlinear and Convex Analysis, 20, 1, 73-84, 2019, WOS: 000463848800005; ISSN: 1345-4773. | | |
| 7 | M. J. Vivas-Cortez, A. Kashuri, R. Liko, J. E. Hernández Hernández (2019), Quantum Estimates of Ostrowski Inequalities for Generalized phi-Convex Functions, Symmetry-Basel, WOS: 000508127700084; ISSN: 2073-8994. | 0.838 [2016] |
| 8 | S. A Urziceanu (2019), Necessary Optimality Conditions in Isoperimetric Constrained Optimal Control Problems, Symmetry-Basel, WOS: 000502276600055; ISSN: 2073-8994. | 0.838 [2016] |
| 9 | M. J. Vivas-Cortez, A. Kashuri, R. Liko, J. E. Hernández Hernández (2020), Some New q-Integral Inequalities Using Generalized Quantum Montgomery Identity via Preinvex Functions, Symmetry-Basel, WOS: 000540222200064; ISSN: 2073-8994. | 0.838 [2016] |
| III) S. Treanţă, On a New Class of Vector Variational Control Problems, Numerical Functional Analysis and Optimization, 39, 14, 1594-1603, 2018, WOS: 000467257300006; ISSN: 0163-0563. | | |
| 10 | M. J. Vivas-Cortez, A. Kashuri, R. Liko, J. E. Hernández Hernández (2019), Quantum Estimates of Ostrowski Inequalities for Generalized phi-Convex Functions, Symmetry-Basel, WOS: 000508127700084; ISSN: 2073-8994. | 0.838 [2016] |

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| 11 | S. A. Urziceanu (2019), Necessary Optimality Conditions in Isoperimetric Constrained Optimal Control Problems, Symmetry-Basel, WOS: 000502276600055; ISSN: 2073-8994. | 0.838 [2016] |
| 12 | M. J. Vivas-Cortez, A. Kashuri, R. Liko, J. E. Hernández Hernández (2020), Some New q-Integral Inequalities Using Generalized Quantum Montgomery Identity via Preinvex Functions, Symmetry-Basel, WOS: 000540222200064; ISSN: 2073-8994. | 0.838 [2016] |
| 13 | D. Rivas, R. Quiza, M. Rivas, R. E. Haber (2020), Towards Sustainability of Manufacturing Processes by Multiobjective Optimization: A Case Study on a Submerged Arc Welding Process, IEEE Access, WOS: 000597188100001; ISSN: 2169-3536. | 2,764 [2017] |
| IV) S. Treanţă, M. Arana-Jiménez, On generalized KT-pseudoinvex control problems involving multiple integral functionals, European Journal of Control, 43, 39-45, 2018, WOS: 000445983200005; ISSN: 0947-3580. | | |
| 14 | S. A. Urziceanu (2019), Necessary Optimality Conditions in Isoperimetric Constrained Optimal Control Problems, Symmetry-Basel, WOS: 000502276600055; ISSN: 2073-8994. | 0.838 [2016] |
| 15 | A. Jayswal, Preeti (2020), An exact l1 penalty function method for multi-dimensional first-order PDE constrained control optimization problem, European Journal of Control, WOS: 000518502000005; ISSN: 0947-3580. | 1,561 [2018] |
| 16 | A. Jayswal, Preeti, M. Arana-Jimenez (2020), An exact l1 penalty function method for a multitime control optimization problem with data uncertainty, Optimal Control Applications and Methods, WOS: 000550577500001; ISSN: 1099-1514. | 1,015 [2016] |
| 17 | Preeti, A. Jayswal, M. Arana-Jimenez (2020), Robust saddle-point criteria for multi-dimensional control optimisation problems with data uncertainty, International Journal of Control, WOS: 000533368000001; ISSN: 0020-7179. | 1.299 [2017] |
| 18 | A. Jayswal, Preeti (2019), Saddle point criteria for multi-dimensional control optimisation problem involving first-order PDE constraints, International Journal of Control, WOS: 000486428800001; ISSN: 0020-7179. | 1.299 [2017] |
| V) S. Treanţă, M. Arana-Jiménez, KT-pseudoinvex multidimensional control problem, Optim. Control Appl. Meth., 39, 4, 1291-1300, 2018, WOS: 000438514000002; ISSN: 0143-2087. | | |
| 19 | A. Jayswal, Preeti (2019), Saddle-point criteria for multi-dimensional control optimization problem involving first-order PDE constraints, International Journal of Control, WOS:000486428800001; ISSN: 0020-7179. | 1.299 [2017] |
| 20 | S. A. Urziceanu (2019), Necessary Optimality Conditions in Isoperimetric Constrained Optimal Control Problems, Symmetry-Basel, WOS: 000502276600055; ISSN: 2073-8994. | 0.838 [2016] |
| 21 | A. Jayswal, Preeti (2020), An exact l1 penalty function method for multi-dimensional first-order PDE constrained control optimization problem, European Journal of Control, WOS: 000518502000005; ISSN: 0947-3580. | 1,561 [2018] |
| 22 | A. Jayswal, Preeti, M. Arana-Jimenez (2020), An exact l1 penalty function method for a multitime control optimization problem with data uncertainty, Optimal Control Applications and Methods, WOS: 000550577500001; ISSN: 1099-1514. | 1,015 [2016] |
| 23 | Preeti, A. Jayswal, M. Arana-Jimenez (2020), Robust saddle-point criteria for multi-dimensional control optimisation problems with data uncertainty, International Journal of Control, WOS: 000533368000001; ISSN: 0020-7179. | 1.299 [2017] |

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| VI) S. Treanţă, Higher-order Hamilton dynamics and Hamilton-Jacobi divergence PDE, Comput. Math. Appl., 75, 2, 547-560, 2018, WOS: 000427333100015; ISSN: 0898-1221. | | |
| 24 | A. Jayswal, Preeti (2019), Saddle-point criteria for multi-dimensional control optimization problem involving first-order PDE constraints, International Journal of Control, WOS:000486428800001; ISSN: 0020-7179. | 1.299 [2017] |
| 25 | S. A. Urziceanu (2019), Necessary Optimality Conditions in Isoperimetric Constrained Optimal Control Problems, Symmetry-Basel, WOS: 000502276600055; ISSN: 2073-8994. | 0.838 [2016] |
| 26 | A. Jayswal, Preeti (2020), An exact l1 penalty function method for multi-dimensional first-order PDE constrained control optimization problem, European Journal of Control, WOS: 000518502000005; ISSN: 0947-3580. | 1,561 [2018] |
| 27 | A. Jayswal, Preeti, M. Arana-Jimenez (2020), An exact l1 penalty function method for a multitime control optimization problem with data uncertainty, Optimal Control Applications and Methods, WOS: 000550577500001; ISSN: 1099-1514. | 1,015 [2016] |
| VII) S. Treanţă, Multiobjective Fractional Variational Problem on Higher-Order Jet Bundles, Communications in Mathematics and Statistics, 4, 3, 323-340, 2016, WOS: 000405097400003; ISSN: 2194-6701. | | |
| 28 | S. A. Urziceanu (2019), Necessary Optimality Conditions in Isoperimetric Constrained Optimal Control Problems, Symmetry-Basel, WOS: 000502276600055; ISSN: 2073-8994. | 0.838 [2016] |
| VIII) S. Treanţă, Efficiency in generalized V-KT-pseudoinvex control problems, International Journal of Control, 93, 3, 611-618, 2020, WOS: 000525971000023; ISSN: 0020-7179. | | |
| 29 | A. Jayswal, Preeti (2020), An exact l1 penalty function method for multi-dimensional first-order PDE constrained control optimization problem, European Journal of Control, WOS: 000518502000005; ISSN: 0947-3580. | 1,561 [2018] |
| 30 | A. Jayswal, Preeti (2019), Saddle-point criteria for multi-dimensional control optimization problem involving first-order PDE constraints, International Journal of Control, WOS:000486428800001; ISSN: 0020-7179. | 1.299 [2017] |
| 31 | A. Jayswal, Preeti, M. Arana-Jimenez (2020), An exact l1 penalty function method for a multitime control optimization problem with data uncertainty, Optimal Control Applications and Methods, WOS: 000550577500001; ISSN: 1099-1514. | 1,015 [2016] |
| 32 | Preeti, A. Jayswal, M. Arana-Jimenez (2020), Robust saddle-point criteria for multi-dimensional control optimisation problems with data uncertainty, International Journal of Control, WOS: 000533368000001; ISSN: 0020-7179. | 1.299 [2017] |
| IX) S. Treanţă, Constrained variational problems governed by second-order Lagrangians, Applicable Analysis, 99, 9, 1467-1484, 2020, WOS: 000544485400002; ISSN: 0003-6811. | | |
| 33 | S. A. Urziceanu (2019), Necessary Optimality Conditions in Isoperimetric Constrained Optimal Control Problems, Symmetry-Basel, WOS: 000502276600055; ISSN: 2073-8994. | 0.838 [2016] |
| X) S. Treanţă, M. Arana-Jiménez, T. Antczak, A necessary and sufficient condition on the equivalence between local and global optimal solutions in variational control problems, Nonlinear Analysis-Theory Methods & Applications, 191, UNSP 111640, 8 pages, 2020, WOS: 000500478900002; ISSN: 0362-546X. | | |

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| 34 | A. Jayswal, Preeti, M. Arana-Jimenez (2020), An exact l1 penalty function method for a multitime control optimization problem with data uncertainty, Optimal Control Applications and Methods, WOS: 000550577500001; ISSN: 1099-1514. | 1,015 [2016] |
| XI) S. Treanţă, On a modified optimal control problem with first-order PDE constraints and the associated saddle-point optimality criterion, European Journal of Control, 51, 1-9, 2020, WOS: 000510946100001; ISSN: 0947-3580. | | |
| 35 | H. Hassani, Z. Avazzadeh, J. A. T. Machado, E. Naraghirad (2020), A new hybrid method for two dimensional nonlinear variable order fractional optimal control problems, Asian Journal of Control, WOS: 000546398200001; ISSN: 1561-8625. | 0,575 [2020] |
| 36 | S. A. Urziceanu (2019), Necessary Optimality Conditions in Isoperimetric Constrained Optimal Control Problems, Symmetry-Basel, WOS: 000502276600055; ISSN: 2073-8994. | 0.838 [2016] |
| XII) S. Treanţă, Noether-type first integrals associated with autonomous second-order Lagrangians, Symmetry, 11, 9, 1088, 2019, WOS: 000489177900024; ISSN: 2073-8994. | | |
| 37 | S. A. Urziceanu (2019), Necessary Optimality Conditions in Isoperimetric Constrained Optimal Control Problems, Symmetry-Basel, WOS: 000502276600055; ISSN: 2073-8994. | 0.838 [2016] |
| XIII) S. Treanţă, PDEs of Hamilton-Pfaff type via multi-time optimization problems, U.P.B. Scientific Bulletin, Series A, 76, 1, 163-168, 2014, WOS: 000332914700016; ISSN: 1223-7027. | | |
| 38 | S. A. Urziceanu (2019), Necessary Optimality Conditions in Isoperimetric Constrained Optimal Control Problems, Symmetry-Basel, WOS: 000502276600055; ISSN: 2073-8994. | 0.838 [2016] |

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|---|---|
| Total: 38 | C = 38 (C_min = 12) |

S = 10,211 (S_min = 5)

S_recent = 8,913 (S_recent_min = 2,5)

C = 38 (C_min = 12)

Data: 12.03.2021