Anexa nr. 2

ACADEMIA ROMÂNĂ

SCOSAAR

FIȘA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE

conform CNATDCU

Candidat: **Ruxandra Marina Stavre**

Publicații:

Nr. crt. articol	Articol, referința bibliografică	Publicat în ultimii 7 ani	s_i	n_i	s_i/n_i
1	**R. Stavre**, A boundary control problem for the blood flow in venous insufficiency. The general case, Nonlinear Analysis-Real World Applications, **29** (2016), p. 98-116.	DA	1,505 (2017)	1	1,505
2	I. Malakhova-Ziablova, G. P. Panasenko, **R. Stavre**, Asymptotic analysis of a thin rigid-stratified elastic plate-viscous fluid interaction problem, Applicable Analysis, 97 (2016), p. 1467-1506.	DA	0,915 (2014)	3	0,305

3	**R. Stavre**, A distributed control problem for two coupled fluids in a porous medium, SIAM Journal on Control and Optimization, **53** (2015), p. 313-335.	DA	2,79 (2014)	1	2,79
4	G. P. Panasenko, **R. Stavre**, Asymptotic analysis for the Kelvin-Voigt model for a thin laminate, Comptes Rendus Mécanique, **343** (2015), p. 365-370.	DA	1,121 (2016)	2	0,56
5	G. P. Panasenko, **R. Stavre**, Asymptotic analysis of a viscous fluid-thin plate interaction: Periodic flow, Mathematical Models and Methods in Applied Sciences (M3AS), **24** (2014), p. 1781-1822.	DA	3,113 (2017)	2	1,556
6	G. P. Panasenko, **R. Stavre**, Viscous fluid-thin cylindrical elastic layer: asymptotic analysis, Applicable Analysis, **93** (2014), p. 2032-2056.	DA	0,915 (2014)	2	0,457
7	G. P. Panasenko, **R. Stavre**, Asymptotic analysis of a viscous fluid-thin plate interaction: Periodic flow, Comptes Rendus Mécanique, **340** (2012), p. 590-595.	DA	1,121 (2016)	2	0,56
8	G. P. Panasenko, **R. Stavre**, Asymptotic analysis of the Stokes flow in a thin cylindrical elastic tube, Applicable Analysis, **91**(2012), p. 1999-2027.	DA	0,915 (2014)	2	0,457
9	R. Fares, G. P. Panasenko, **R. Stavre**, A viscous fluid flow through a thin channel with mixed rigid-elastic boundary. Variational and asymptotic analysis, Abstract and Applied Analysis, **ID 152743** (2012), 47 pag.	DA	0,549 (2013)	3	0,183
10	A. Capatina, H. Ene, G. Pasa, D. Polisevski, **R. Stavre**, Variational approach and optimal control of a PEM fuel cell, Nonlinear Analysis-Theory, Methods&Applications, **74** (2011), p. 3242-3260.	DA	1,421 (2017)	5	0,284
11	G. P. Panasenko, **R. Stavre**, Asymptotic analysis of the Stokes flow with variable viscosity in a thin elastic channel, Networks and Heterogeneous Media, **5** (2010), p. 783-812.	NU	1,394 (2016)	2	0,697

12	D. Dupuy, G. P. Panasenko, **R. Stavre**, Asymptotic solution for a micropolar flow in a curviline channel, Zeitschrift fur Angewandte Mathematik und Mechanik (ZAMM), **88** (2008), p. 793-807.	NU	1,207 (2016)	3	0,402
13	G. P. Panasenko, **R. Stavre**, Asymptotic analysis of a non-periodic flow in a thin channel with visco-elastic wall, Networks and Heterog. Media, **3** (2008), p. 651-673.	NU	1,394 (2016)	2	0,697
14	G. P. Panasenko, Y. Sirakov, **R. Stavre**, Asymptotic and numeric modeling of a flow in a thin channel with visco-elastic wall, International Journal for Multiscale Computational Engineering, **5** (2007), p. 473-482.	NU	1,527 (2016)	3	0,509
15	G. P. Panasenko, **R. Stavre**, Asymptotic analysis of a periodic flow in a thin channel with visco-elastic wall, Journal de Mathématiques Pures et Appliquées, **85** (2006), p. 558-579.	NU	3,767 (2017)	2	1,883
16	D. Dupuy, G. P. Panasenko, **R. Stavre**, Asymptotic methods for micropolar flows in a tube structure, Mathematical Models and Methods in Applied Sciences (M3AS), **14** (2004), p. 735-758.	NU	3,113 (2017)	3	1,037
17	D. Dupuy, G. P. Panasenko, **R. Stavre**, Multiscale modelling for micropolar flows in a structure with one bundle of tubes, International Journal for Multiscale Computational Engineering, **2** (2004), p. 461-475.	NU	1,527 (2016)	3	0,509
18	D. Dupuy, G. P. Panasenko, **R. Stavre**, Asymptotic analysis for micropolar fluids, Comptes Rendus Mécanique, **332** (2004), p. 31-36.	NU	1,121 (2016)	3	0,373
19	**R. Stavre**, Optimization and numerical approximation for micropolar fluids, Numerical Functional Analysis and Optimization, **24** (2003), p. 223-241.	NU	0,733 (2017)	1	0,733

20	**R. Stavre**, The control of the pressure for a micropolar fluid, Zeitschrift fur Angewandte Mathematik und Physik (ZAMP), **53** (2002), p. 912-922.	NU	1,219 (2017)	1	1,219
21	**R. Stavre**, Distributed control of a heat-conducting, time-dependent Navier-Stokes fluid, Glasgow Mathematical Journal, **44** (2002), p. 191-200.	NU	0,77 (2013)	1	0,77
22	A. Capatina, **R. Stavre**, Algorithms and convergence results for an inverse problem in heat propagation, International Journal of Engineering Science, **38** (2000), p. 575-587.	NU	3,111 (2017)	2	1,555
23	A. Capatina, **R. Stavre**, A control problem in biconvective flow, Kyoto Journal of Mathematics, **37** (1997), p. 585-595.	NU	1,722 (2015)	2	0,861
24	A. Capatina, **R. Stavre**, Numerical analysis of a control problem in heat conducting Navier-Stokes fluid, International Journal of Engineering Science, **34** (1996), p. 1467-1476.	NU	3,111 (2017)	2	1,555
25	A. Capatina, **R. Stavre**, Optimal control of a non-isothermal Navier-Stokes flow, International Journal of Engineering Science, **34** (1996), p. 59-66.	NU	3,111 (2017)	2	1,555
26	**R. Stavre**, Study of a jet incident on a porous wall in a gravity field, IMA Journal of Applied Mathematics, **52** (1994), p. 93-103.	NU	0,969 (2013)	1	0,969
27	**R. Stavre**, On a free boundary problem in fluid mechanics, European Journal of Mechanics B-Fluids, **10** (1991), p. 75-95.	NU	1,512 (2014)	1	1,512
28	**R. Stavre**, B. Vernescu, Free boundary properties in non-homogeneous porous media fluid flow, International Journal of Engineering Science, **27** (1989), p. 399-409.	NU	3,111 (2017)	2	1,555
29	**R. Stavre**, B. Vernescu, The free boundary problem for the anisotropic dam, Archives of Mechanics, **40** (1988), p. 455-463.	NU	1,03 (2016)	2	0,515

30	**R. Stavre**, B. Vernescu, Incompressible fluid flow through a non-homogeneous and anisotropic dam, Nonlinear Analysis-Theory, Methods&Applications, **9** (1985), 799-810.	NU	1,421 (2017)	2	0,71
31	**R. Stavre**, The flow of a fluid through a porous medium with variable permeability, Bulletin Mathématique de la Société des Sciences Mathématiques de Roumanie, **27** (1984), p. 169-179.	NU	0,576 (2015)	1	0,576

TOTAL : **S = 28,849** **S_recent = 8,657**

S ≥ 5 **S_recent ≥ 2,5**

Citări

Nr. crt.	Articolul citat, referința bibliografică	Revista și articolul în care a fost citat	s_i
1	D. Dupuy, G. Panasenko, R. Stavre, Asymptotic methods for micropolar fluids in a tube structure, Mathematical Models and Methods in Applied Sciences, 14 (2004), p. 735 – 758.	Microfluidics and Nanofluidics J. C. Umavathi, M. A. Sheremet, Onset of double-diffusive convection of a sparsely packed micropolar fluid in a porous medium layer saturated with a nanofluid, Microfluidics and Nanofluidics, **21** (2017), [128].	2,459 (2013)
2	D. Dupuy, G. Panasenko and R. Stavre, Asymptotic solution for a micropolar flow in a curvilinear channel, Zeitschrift fur Angewandte Mathematik und Mechanik (ZAMM), 88 (2008), p. 793 – 807.	Microfluidics and Nanofluidics J. C. Umavathi, M. A. Sheremet, Onset of double-diffusive convection of a sparsely packed micropolar fluid in a porous medium layer saturated with a nanofluid, Microfluidics and Nanofluidics, **21** (2017), [128].	2,459 (2013)
3	G. Panasenko, R. Stavre, Asymptotic analysis of the Stokes flow with variable viscosity in a thin elastic channel, Networks and Heterogeneous Media, 5 (2010), p. 783 – 812.	Sbornik Mathematics V. A. Kozlov, S. A. Nazarov, A one-dimensional model of flow in a junction of thin channels, including arterial trees, Sbornik Mathematics, **208** (2017), p. 1138 – 1186.	1,174 (2016)
4	G. P. Panasenko, R. Stavre, Asymptotic analysis of a periodic flow in a thin channel with visco-elastic wall, Journal de Mathématiques Pures et Appliquées, 85 (2006), p. 558 – 579.	Zeitschrift fur Analysis und ihre Anwendungen M. O. Kovaleva, I. Yu. Popov, Harnacks Inequality for Stokes Graph, Zeitschrift fur Analysis und ihre Anwendungen, **35** (2016), p. 383 – 396.	0,867 (2013)
5	R. Stavre, The control of the pressure for a micropolar fluid, Zeitschrift fur Angewandte Mathematik und Physik (ZAMP), 53 (2002), p. 912 – 922.	Journal of Optimization Theory and Applications E. Mallea-Zepeta, E. Ortega-Tores, E. J. Villamizar-Roa, A Boundary Control Problem for Micropolar Fluids, Journal of Optimization Theory and Applications **169** (2016), p. 349 – 369.	1,222 (2013)

6	A. Capatina, R. Stavre, A control problem in biconvective flow, Kyoto Journal of Mathematics, 37 (1997), p. 585 – 595.	Journal of Mathematical Analysis and Applications S. G. Pyatkov, M. L. Samkov, Solvability of some inverse problems for the nonstationary heat-and-mass-transfer system, Journal of Mathematical Analysis and Applications **446** (2016), p. 1449 – 1465.	1,168 (2014)
7	D. Dupuy, G. P. Panasenko, R. Stavre, Asymptotic methods for micropolar fluids in a tube structure, Mathematical Models and Methods in Applied Sciences, 14 (2004), p. 735-758.	Acta Applicandae Mathematicae M. Benes, I. Pazanin, Effective flow of incompressible micropolar fluid through a system of thin pipes, Acta Applicandae Mathematicae, **143** (2016), p. 29-43.	0,866 (2017)
8	G.P. Panasenko, R. Stavre, Asymptotic analysis of a periodic flow in a thin channel with visco-elastic wall, Journal de Mathématiques Pures et Appliquées, 85 (2006), p. 558 – 579.	Applicable Analysis A. Curkovic, E. Marusic-Paloka, Existence and uniqueness of solution for fluid-plate interaction problem, Appl. Anal., **95** (2016), p. 715-730.	0,915 (2014)
9	R. Stavre, Optimization and numerical approximation for micropolar fluids, Numerical Functional Analysis and Optimization, 24 (2003), p. 223 – 241.	Journal of Optimization Theory and Applications E. Mallea-Zepeta, E. Ortega-Tores, E. J. Villamizar-Roa, A Boundary Control Problem for Micropolar Fluids, Journal of Optimization Theory and Applications **169** (2016), p. 349 – 369.	1,222 (2013)
10	D. Dupuy, G. Panasenko and R. Stavre, Asymptotic solution for a micropolar flow in a curvilinear channel, Zeitschrift fur Angewandte Mathematik und Mechanik (ZAMM), 88 (2008), p. 793 – 807.	Acta Applicandae Mathematicae M. Benes, I. Pazanin, Effective flow of incompressible micropolar fluid through a system of thin pipes, Acta Applicandae Mathematicae, **143** (2016), p. 29-43.	0,866 (2017)
11	R. Stavre, The control of the pressure for a micropolar fluid, Zeitschrift fur Angewandte Mathematik und Physik (ZAMP), 53 (2002), p. 912 – 922.	Applied Mathematics and Optimization I. Pereira de Jesus, Remarks on Hierarchic Control for a Linearized Micropolar Fluids System in Moving Domains, Applied Mathematics and Optimization **72** (2015), p. 493–521.	1,88 (2016)

12	D. Dupuy, G. Panasenko and R. Stavre, Asymptotic solution for a micropolar flow in a curvilinear channel, Zeitschrift fur Angewandte Mathematik und Mechanik (ZAMM), 88 (2008), p. 793 – 807.	Computers & Mathematics with Applications I. Pazanin, F. J. Suarez-Grau, Analysis of the thin film flow in a rough domain filled with micropolar fluid, Computers & Mathematics with Applications, **68** (2014), p. 1915 – 1932.	1,153 (2017)
13	R. Stavre, The control of the pressure for a micropolar fluid, Zeitschrift fur Angewandte Mathematik und Physik (ZAMP), 53 (2002), p. 912 – 922.	Applied Mathematics and Optimization F. D. Araruna, S. D. B. de Menezes, M. A. Rojas-Medar, On the Approximate Controllability of Stackelberg Nash Strategies for Linearized Micropolar Fluids, Appl. Math. Optim. **70** (2014), p. 373–393.	1,88 (2016)
14	D. Dupuy, G. P. Panasenko, R. Stavre, Asymptotic methods for micropolar fluids in a tube structure, Mathematical Models and Methods in Applied Sciences, 14 (2004), p. 735-758.	Applied Mathematics and Optimization F. D. Araruna, S. D. B. de Menezes, M. A. Rojas-Medar, On the Approximate Controllability of Stackelberg Nash Strategies for Linearized Micropolar Fluids, Appl. Math. Optim. **70** (2014), p. 373 –393.	1,88 (2016)
15	D. Dupuy, G. P. Panasenko, R. Stavre, Asymptotic methods for micropolar fluids in a tube structure, Mathematical Models and Methods in Applied Sciences, 14 (2004), p. 735-758.	Communications in Nonlinear Science and Numerical Simulation I. Pazanin, Investigation of micropolar fluid flow in a helical pipe via asymptotic analysis, Communications in Nonlinear Science and Numerical Simulation **18** (2013), p. 528 – 540.	1,649 (2017)
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17	A. Capatina, R. Stavre, Algorithms and convergence results for an inverse problem in heat propagation, International Journal of	Inverse Problems in Science and Engineering N. Auffray, M. Bonnet, S. Pagano, Identification of transient heat	1,241 (2016)

	Engineering Science, 38 (2000), p. 575 –587.	sources using the reciprocity gap, Inverse Problems in Science and Engineering, **21** (2013), p. 721 –738.	
18	R. Stavre, B. Vernescu, Incompressible fluid flow through a non-homogeneous and anisotropic dam, Nonlinear Analysis: Theory, Methods & Applications, 9 (1985), p. 799 –810.	Nonlinear Analysis: Real World Applications S. Martin, C. Vázquez, Homogenization of the layer-structured dam problem with isotropic permeability, Nonlinear Analysis: Real World Applications, **14** (2013), p. 2133—2151.	1,505 (2017)
19	A. Capatina , H. Ene, G. Pasa, D. Polisevski, R. Stavre, Variational approach and optimal control of a PEM fuel cell, Nonlinear Analysis-Theory, Methods & Applications, 74 (2011), p. 3242—3260.	Journal of Mathematical Analysis and Applications J.H. Al-Smail, A. Novruzi, Shape optimization of the hydrogen fuel cell cathode air channels, Journal of Mathematical Analysis and Applications **389** (2012), p. 293-313.	1,168 (2014)
20	D. Dupuy, G. P. Panasenko, R. Stavre, Asymptotic methods for micropolar fluids in a tube structure, Mathematical Models and Methods in Applied Sciences, 14 (2004), p. 735-758.	Mathematical Problems in Engineering I. Pažanin, Effective flow of micropolar fluid through a thin or long pipe, Mathematical Problems in Engineering **2011** (2011), Article ID 127070 18 pages.	0,748 (2017)
21	D. Dupuy, G. P. Panasenko, R. Stavre, Asymptotic methods for micropolar fluids in a tube structure, Mathematical Models and Methods in Applied Sciences, 14 (2004), p. 735-758.	Acta Applicandae Mathematicae I. Pažanin, Asymptotic Behavior of Micropolar Fluid Flow Through a Curved Pipe, Acta Applicandae Mathematicae **116** (2011), p. 1 – 25.	0,866 (2017)
22	R. Stavre, B. Vernescu, Incompressible fluid flow through a non-homogeneous and anisotropic dam, Nonlinear Analysis: Theory, Methods & Applications 9 (1985), p. 799 –810.	Communications on Pure and Applied Analysis S. Challal, A. Lyaghfouri, The heterogeneous dam problem with leaky boundary condition, Communications on Pure and Applied Analysis **10** (2011), p. 93 – 125.	1,124 (2014)

23	R. Stavre, The control of the pressure for a micropolar fluid, Zeitschrift fur Angewandte Mathematik und Physik (ZAMP), 53 (2002), p. 912 – 922.	Acta Applicandae Mathematicae I. Pažanin, Asymptotic Behavior of Micropolar Fluid Flow Through a Curved Pipe, Acta Applicandae Mathematicae **116** (2011), p. 1 – 25.	0,866 (2017)
24	D. Dupuy, G. P. Panasenko, R. Stavre, Asymptotic methods for micropolar fluids in a tube structure, Mathematical Models and Methods in Applied Sciences, 14 (2004), p. 735-758.	Proceedings of the American Mathematical Society F. D. Araruna, F. W. Chaves-Silva, M. A. Rojas-Medar, Exact controllability of Galerkin's approximations of micropolar fluids, Proc. Amer. Math. Soc. **138** (2010), p. 1361 –1370.	1,31 (2014)
25	R. Stavre, The control of the pressure for a micropolar fluid, Zeitschrift fur Angewandte Mathematik und Physik (ZAMP), 53 (2002), p. 912 – 922.	Proceedings of the American Mathematical Society F. D. Araruna, F. W. Chaves-Silva, M. A. Rojas-Medar, Exact controllability of Galerkin's approximations of micropolar fluids, Proc. Amer. Math. Soc. **138** (2010), p. 1361 – 1370.	1,31 (2014)
26	A. Capatina, R. Stavre, Algorithms and convergence results for an inverse problem in heat propagation, International Journal of Engineering Science, 38 (2000), p. 575—587.	Experimental Mechanics B. Berthel, A. Chrysochoos, B. Wattrisse, A. Galtier, Infrared Image Processing for the Calorimetric Analysis of Fatigue Phenomena, Experimental Mechanics **48** (2008), p. 79 – 90.	2,628 (2014)
27	A. Capatina, R. Stavre, Algorithms and convergence results for an inverse problem in heat propagation, International Journal of Engineering Science, 38 (2000), p. 575—587.	Infrared Physics & Technology M.L. Pastor, X. Balandraud, M. Grédiac, J.L. Robert, Applying infrared thermography to study the heating of 2024-T3 aluminium specimens under fatigue loading, Infrared Physics & Technology **51** (2008), p. 505 – 515.	0,855 (2016)
28	D. Dupuy, G. P. Panasenko, R. Stavre, Asymptotic methods for micropolar fluids in a tube structure, Mathematical Models and Methods in Applied Sciences, 14 (2004), p. 735-758.	Journal of Mathematical Fluid Mechanics E. Fernandez-Cara, S. Guerrero, Local exact controllability of micropolar fluids, Journal of Mathematical Fluid Mechanics **9** (2007), p. 419 – 453.	2,566 (2015)

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30	A. Capatina, R. Stavre, Algorithms and convergence results for an inverse problem in heat propagation, International Journal of Engineering Science, 38 (2000), p. 575—587.	International Journal of Fatigue A.E. Morabito, A. Chrysochoos, V. Dattoma, U. Galietti, Analysis of heat sources accompanying the fatigue of 2024 T3 aluminium alloys, International Journal of Fatigue **29** (2007), p. 977 – 984.	2,342 (2015)
31	A. Capatina, R. Stavre, A control problem in biconvective flow, Kyoto Journal of Mathematics, 37 (1997), p. 585 – 595.	Journal of Inverse and Ill-Posed Problems G. V. Alekseev, E. A. Adomavichus, Theoretical analysis of inverse extremal problems of admixture diffusion in viscous fluids, Journal of Inverse and Ill-Posed Problems, **9** (2001), p. 435 – 468.	0,807 (2015)
32	A. Capatina, R. Stavre, A control problem in biconvective flow, Kyoto Journal of Mathematics, 37 (1997), p. 585 – 595.	Journal of Inverse and Ill-Posed Problems S. G. Pyatkov, On some classes of inverse problems for parabolic equations, Journal of Inverse and Ill-Posed Problems, **18** (2011), p. 917 – 934.	0,807 (2015)
33	A. Capatina, R. Stavre, A control problem in biconvective flow, Kyoto Journal of Mathematics, 37 (1997), p. 585 – 595.	Siberian Mathematical Journal G. V. Alekseev, Solvability of inverse extremal problems for stationary heat and mass transfer equations, Siberian Mathematical Journal, **42** (2001), p. 811 – 827.	0,606 (2015)
34	A. Capatina, R. Stavre, A control problem in biconvective flow, Kyoto Journal of Mathematics, 37 (1997), p. 585 – 595.	Journal of Evolution Equations S. G. Pyatkov, B. N. Tybikov, On some classes of inverse problems for parabolic and elliptic equations, Journal of Evolution Equations, **11** (2011), p. 155 – 186.	1,481 (2017)

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36	R. Stavre, B. Vernescu, Incompressible fluid flow through a non-homogeneous and anisotropic dam, Nonlinear Analysis: Theory, Methods & Applications 9 (1985), p. 799 –810.	Annali della Scuola Normale Superiore di Pisa – Classe di Scienze A. Friedman, S. Y. Huang, The inhomogeneous dam problem with discontinuous permeability, Annali della Scuola Normale Superiore di Pisa – Classe di Scienze, **14** (1987), p. 49 – 77.	2,381 (2015)
37	R. Stavre, B. Vernescu, Incompressible fluid flow through a non-homogeneous and anisotropic dam, Nonlinear Analysis: Theory, Methods & Applications 9 (1985), p. 799 –810.	Annali della Scuola Normale Superiore di Pisa – Classe di Scienze J. Carrillo, A. Lyaghfouri, The dam problem for nonlinear Darcy's laws and Dirichlet boundary conditions, Annali della Scuola Normale Superiore di Pisa – Classe di Scienze, **26** (1998), p. 453 – 505.	2,381 (2015)
38	R. Stavre, B. Vernescu, Incompressible fluid flow through a non-homogeneous and anisotropic dam, Nonlinear Analysis: Theory, Methods & Applications 9 (1985), p. 799 –810.	Interfaces and Free Boundaries S. Challal, A. Lyaghfouri, A filtration problem through a heterogeneous porous medium, Interfaces and Free Boundaries, **6** (2004), p. 55 – 79.	1,861 (2015)
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40	R. Stavre, B. Vernescu, Incompressible fluid flow through a non-homogeneous and anisotropic dam, Nonlinear Analysis: Theory,	European Journal of Applied Mathematics S. Challal, A. Lyaghfouri, A new formulation of the dam problem,	1,409 (2014)

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41	A. Capatina, R. Stavre, Optimal control of a non-isothermal Navier-Stokes flow, International Journal of Engineering Science, 34 (1996), p. 59-66.	SIAM Journal on Scientific Computing M. Berggren, Numerical solution of a flow-control problem: vorticity reduction by dynamic boundary action, SIAM Journal on Scientific Computing, **19** (1998), p. 829 – 860.	2,638 (2016)
42	R. Stavre, Distributed control of a heat-conducting, time-dependent Navier-Stokes fluid, Glasgow Mathematical Journal, 44 (2002), p. 191-200.	Optimization Methods & Software H. Antil, M. Heinkenschloss, R. H. W. Hoppe, Domain decomposition and balanced truncation model reduction for shape optimization of the Stokes system, Optimization Methods & Software, **26** (2011), p. 643 –669.	1,978 (2015)
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TOTAL **C = 43**

C ≥ 12

Data

16 iulie 2018

Semnatura