

**FIȘA DE VERIFICARE
A ÎNDEPLINIRII STANDARDELOR MINIMALE**

**Candidat: HERIȘANU NICOLAE, Doctor din anul 1999,
Conferențiar universitar din anul 2000**

Corespunde domeniului Inginerie Mecanică, Mecatronică și Robotică

Fișa de sinteză

Criteriul		Număr	Punctaj obținut	Punctaj necesar
Indicatori cu contribuție principală (obligatorie) în domeniu				
CDI-ART	Articole științifice publicate în reviste de specialitate cotate ISI	23	429.58	6
DID-MSD	Manuale suport de curs format tipărit sau format electronic	2	9.64	6
RIA-GRA	Director sau responsabil partener grant internațional	1	1.5	6
RIA-GRA	Director sau responsabil partener grant național	3	16.78	
Indicatori cu contribuție complementară în domeniu				
CDI-MON	Monografii de specialitate sau capitole în monografii de specialitate	1	19.8	
DID-LAB	Standuri/laboratoare pentru activități didactice realizate sau dezvoltate de candidat	4	4	
RIA-CTR	Director contract cu beneficiar din mediul economic național	7	13.28	
RIA-CTR	Membri în echipa de proiect național	4	1.01	
TOTAL punctaj indicatori principali și complementari				
CDI			449,38	10
DID			13,64	10
RIA			31,56	10

Timisoara, 15.09.2014

Criteriul CDI- indicator CDI-ART - Articole stiintifice publicate in reviste de specialitate cotate ISI

Nr. crt	AUTORI	TITLU	REVISTA	ANUL	Vol (Nr)	Pagina	Factor de impact	Punctaj
1	Herisanu Nicolae, Marinca Vasile	Explicit analytical approximation to large-amplitude non-linear oscillations of a uniform cantilever beam carrying an intermediate lumped mass and rotary inertia	MECCANICA	2010	45(6)	847-855	1,815	1,915
1,1	Temimi, H.; Ansari, A. R.; Siddiqui, A. M.	An approximate solution for the static beam problem and nonlinear integro-differential equations	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2011	62(8)	3132-3139	1,996	2,096
1,2	Haq, Sirajul; Ishaq, Muhammad	Solution of strongly nonlinear ordinary differential equations arising in heat transfer with optimal homotopy asymptotic method	INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER	2012	55(21-22)	5737-5743	2,522	2,622
1,3	Khan, Yasir; Akbarzade, Mehdi	Dynamic Analysis of Nonlinear Oscillator Equation Arising in Double-Sided Driven Clamped Microbeam-Based Electromechanical Resonator	ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A	2012	67(8-9)	435-440	0,908	1,008
1,4	Akbarzade, M.; Khan, Y.	Dynamic model of large amplitude non-linear oscillations arising in the structural engineering: Analytical solutions	MATHEMATICAL AND COMPUTER MODELLING	2012	55(3-4)	480-489	2,020	2,120
1,5	Idrees, M.; Islam, S.; Tirmizi, S. I. A.; et al.	Application of the optimal homotopy asymptotic method for the solution of the Korteweg-de Vries equation	MATHEMATICAL AND COMPUTER MODELLING	2012	55(3-4)	1324-1333	2,020	2,120
1,6	Alomari, A. K.; Anakira, N. Ratib; Bataineh, A. Sami; et al.	Approximate Solution of Nonlinear System of BVP Arising in Fluid Flow Problem	MATHEMATICAL PROBLEMS IN ENGINEERING	2013	2013	Article Number: 136043	1,082	1,182
1,7	Effati, S.; Nik, H. Saberi; Jajarmi, A.	Hyperchaos control of the hyperchaotic Chen system by optimal control design	NONLINEAR DYNAMICS	2013	73(1-2)	499-508	2,419	2,519
1,8	Nikkar, A.; Bagheri, S.; Saravi, M.	Dynamic model of large amplitude vibration of a uniform cantilever beam carrying an intermediate lumped mass and rotary inertia	LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES	2014	11(2)	320-329	1,254	1,354

1,9	Rostamiyan, Yasser; Ganji, Davood Domiri; Rahimi Petroudi, Iman; et al	ANALYTICAL INVESTIGATION OF NON-LINEAR MODEL ARISING IN HEAT TRANSFER THROUGH THE POROUS FIN	THERMAL SCIENCE	2014	18(2)	409-417	0,962	1,062
1,1	Ullah, H.; Islam, S.; Idrees, M.; et al.	Solution of the Differential-Difference Equations by Optimal Homotopy Asymptotic Method	ABSTRACT AND APPLIED ANALYSIS	2014	Article Number: 520467	Article Number: 520467	1,274	1,374
1,11	Haq, Sirajul; Ishaq, Muhammad	Solution of coupled Whitham-Broer-Kaup equations using optimal homotopy asymptotic method	OCEAN ENGINEERING	2014	84	81-88	1,337	1,437
2	Herisanu Nicolae, Marinca V., Dordea T., Madescu Gh.	A NEW ANALYTICAL APPROACH TO NONLINEAR VIBRATION OF AN ELECTRICAL MACHINE	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A	2008	9(3)	229-236	1,115	1,215
2,1	Babaelahi, M.; Domairry, G.; Joneidi, A. A.	Viscoelastic MHD flow boundary layer over a stretching surface with viscous and ohmic dissipations	MECCANICA	2010	45(6)	817-827	1,815	1,915
2,2	Shah, Rehan Ali; Islam, Saeed; Zaman, Gul; et al.	SOLUTION OF STAGNATION POINT FLOW WITH HEAT TRANSFER ANALYSIS BY OPTIMAL HOMOTOPY ASYMPTOTIC METHOD	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A	2010	11(4)	312-321	1,115	1,215
2,3	Iqbal, S.; Idrees, M.; Siddiqui, A. M.; et al.	Some solutions of the linear and nonlinear Klein-Gordon equations using the optimal homotopy asymptotic method	APPLIED MATHEMATICS AND COMPUTATION	2010	216(10)	2898-2909	1,600	1,700
2,4	Idrees, M.; Islam, S.; Haq, Sirajul; et al.	Application of the Optimal Homotopy Asymptotic Method to squeezing flow	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2010	59(12)	3858-3866	1,996	2,096
2,5	Ali, Javed; Islam, S.; Islam, Sirajul; et al.	The solution of multipoint boundary value problems by the Optimal Homotopy Asymptotic Method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2010	59(6)	2000-2006	1,996	2,096

2,6	Babaelahi, Mojtaba; Ganji, Davood Domiri; Joneidi, Amin Ahmadi	ANALYTICAL TREATMENT OF MIXED CONVECTION FLOW PAST VERTICAL FLAT PLATE	THERMAL SCIENCE	2010	14(2)	409-416	0,962	1,062
2,7	Iqbal, S.; Ansari, A. R.; Siddiqui, A. M.; et al.	Use of Optimal Homotopy Asymptotic Method and Galerkin's Finite Element Formulation in the Study of Heat Transfer Flow of a Third Grade Fluid Between Parallel Plates	JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME	2011	133(9)	91702	2,055	2,155
2,8	Iqbal, S.; Javed, A.	Application of optimal homotopy asymptotic method for the analytic solution of singular Lane-Emden type equation	APPLIED MATHEMATICS AND COMPUTATION	2011	217(19)	7753-7761	1,600	1,700
2,9	Islam, S.; Bano, Z.; Siddique, I.; et al.	The optimal solution for the flow of a fourth-grade fluid with partial slip	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2011	61(6)	1507-1516	1,996	2,096
2,10	Siddiqui, A. M.; Sadiq, S.; Ansari, A. R.; et al.	MACROSCOPIC ANALYSIS OF FLOW THROUGH A POROUS MEDIUM BETWEEN TWO CIRCULAR CYLINDERS	JOURNAL OF POROUS MEDIA	2011	14(9)	751-760	0,467	0,567
2,11	Temimi, H.; Ansari, A. R.	A semi-analytical iterative technique for solving nonlinear problems	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2011	61(2)	203-210	1,996	2,096
2,12	Temimi, H.; Ansari, A. R.	A new iterative technique for solving nonlinear second order multi-point boundary value problems	APPLIED MATHEMATICS AND COMPUTATION	2011	218(4)	1457-1466	1,600	1,700
2,13	Temimi, H.; Ansari, A. R.; Siddiqui, A. M.	An approximate solution for the static beam problem and nonlinear integro-differential equations	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2011	62(8)	3132-3139	1,996	2,096
2,14	Ghoreishi, M.; Ismail, A. I. B. Md.; Alomari, A. K.	Comparison between homotopy analysis method and optimal homotopy asymptotic method for nth-order integro-differential equation	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2011	34(15)	1833-1842	0,877	0,977
2,15	Pandey, Ram K.; Singh, Om P.; Baranwal, Vipul K.; et al.	An analytic solution for the space-time fractional advection-dispersion equation using the optimal homotopy asymptotic method	COMPUTER PHYSICS COMMUNICATIONS	2012	183(10)	2098-2106	2,407	2,507
2,16	Ghoreishi, M.; Ismail, A. I. B. Md.; Alomari, A. K.; et al.	The comparison between Homotopy Analysis Method and Optimal Homotopy Asymptotic Method for nonlinear age-structured population models	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	2012	17(3)	1163-1177	2,569	2,669

2,17	Shah, Rehan Ali; Islam, Saeed; Siddiqui, A. M.; et al.	Wire coating analysis with Oldroyd 8-constant fluid by Optimal Homotopy Asymptotic Method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2012	63(3)	695-707	1,996	2,096
2,18	Idrees, M.; Islam, S.; Tirmizi, S. I. A.; et al.	Application of the optimal homotopy asymptotic method for the solution of the Korteweg-de Vries equation	MATHEMATICAL AND COMPUTER MODELLING	2012	55(3-4)	1324-1333	2,020	2,120
2,19	Ghoreishi, Mohammad; Ismail, Ahmad Izani B. Md; Rashid, Abdur	The One Step Optimal Homotopy Analysis Method to Circular Porous Slider	MATHEMATICAL PROBLEMS IN ENGINEERING	2012	2012	135472	1,082	1,182
2,20	Zeb, A.; Iqbal, S.; Siddiqui, A. M.; et al.	Application of the optimal homotopy asymptotic method to flow with heat transfer of a pseudoplastic fluid inside a circular pipe	JOURNAL OF THE CHINESE INSTITUTE OF ENGINEERS	2013	36(6)	797-805	0,209	0,309
2,21	Anakira, N. Ratib; Alomari, A. K.; Hashim, I.	Numerical Scheme for Solving Singular Two-Point Boundary Value Problems	JOURNAL OF APPLIED MATHEMATICS	2013	2013	Article Number: 468909	0,720	0,820
2,22	Alomari, A. K.; Anakira, N. Ratib; Bataineh, A. Sami; et al.	Approximate Solution of Nonlinear System of BVP Arising in Fluid Flow Problem	MATHEMATICAL PROBLEMS IN ENGINEERING	2013	2013	Article Number: 136043	1,082	1,182
2,23	Zeb, A.; Iqbal, S.; Siddiqui, A. M.; et al.	Application of the optimal homotopy asymptotic method to flow with heat transfer of a pseudoplastic fluid inside a circular pipe	JOURNAL OF THE CHINESE INSTITUTE OF ENGINEERS	2013	36(6)	797-805	0,209	0,309
2,24	Almousa, Mohammad; Ismail, Ahmad	Optimal Homotopy Asymptotic Method for Solving the Linear Fredholm Integral Equations of the First Kind	ABSTRACT AND APPLIED ANALYSIS	2103	2013	Article Number: 278097	1,274	1,374
2,25	Ullah, H.; Islam, S.; Idrees, M.; et al.	Solution of Boundary Layer Problems with Heat Transfer by Optimal Homotopy Asymptotic Method	ABSTRACT AND APPLIED ANALYSIS	2013	2013	Article Number: 324869	1,274	1,374
2,26	Ullah, H.; Islam, S.; Idrees, M.; et al.	Application of Optimal Homotopy Asymptotic Method to Doubly Wave Solutions of the Coupled Drinfel'd-Sokolov-Wilson Equations	MATHEMATICAL PROBLEMS IN ENGINEERING	2013	2013	Article Number: 362816	1,082	1,182

2,27	Alam, M. Kamran; Rahim, M. T.; Islam, S.; et al.	OPTIMAL HOMOTOPY ASYMPTOTIC METHOD FOR A THIN FILM FLOW OF A PSEUDO-PLASTIC FLUID DRAINING DOWN OR LIFTING UP ON A CYLINDRICAL SURFACE	CHEMICAL INDUSTRY & CHEMICAL ENGINEERING QUARTERLY	2013	19(4)	513-527	0,659	0,759
2,28	Javed, A.; Iqbal, S.; Hashmi, M. S.; et al.	SEMI-ANALYTICAL SOLUTIONS OF NONLINEAR PROBLEMS OF THE DEFORMATION OF BEAMS AND OF THE PLATE DEFLECTION THEORY USING THE OPTIMAL HOMOTOPY ASYMPTOTIC METHOD	HEAT TRANSFER RESEARCH	2014	45(7)	603-620	0,250	0,350
3	Herisanu Nicolae, Marinca Vasile	Accurate analytical solutions to oscillators with discontinuities and fractional-power restoring force by means of the optimal homotopy asymptotic method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2010	60(6)	1607-1615	1,996	2,096
3,1	Ghoreishi, M.; Ismail, A. I. B. Md.; Alomari, A. K.	Comparison between homotopy analysis method and optimal homotopy asymptotic method for nth-order integro-differential equation	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2011	34(15)	1833-1842	0,877	0,977
3,2	Cveticanin, L.; Kalami-Yazdi, M.; Askari, H.	Analytical approximations to the solutions for a generalized oscillator with strong nonlinear terms	JOURNAL OF ENGINEERING MATHEMATICS	2012	77(1)	211-223	1,069	1,169
3,3	Pandey, Ram K.; Singh, Om P.; Baranwal, Vipul K.; et al.	An analytic solution for the space-time fractional advection-dispersion equation using the optimal homotopy asymptotic method	COMPUTER PHYSICS COMMUNICATIONS	2012	183(10)	2098-2106	2,407	2,507
3,4	Hashmi, M. S.; Khan, N.; Iqbal, S.	Numerical solutions of weakly singular Volterra integral equations using the optimal homotopy asymptotic method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2012	64(6)	1567-1574	1,996	2,096
3,5	Khan, Yasir; Akbarzade, Mehdi	Dynamic Analysis of Nonlinear Oscillator Equation Arising in Double-Sided Driven Clamped Microbeam-Based Electromechanical Resonator	ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A	2012	67(8-9)	435-440	0,908	1,008
3,6	Hashmi, M. S.; Khan, N.; Iqbal, S.	Optimal homotopy asymptotic method for solving nonlinear Fredholm integral equations of second kind	APPLIED MATHEMATICS AND COMPUTATION	2012	218(22)	0982-1098	1,600	1,700
3,7	Shah, Rehan Ali; Islam, Saeed; Siddiqui, A. M.; et al.	Wire coating analysis with Oldroyd 8-constant fluid by Optimal Homotopy Asymptotic Method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2012	63(3)	695-707	1,996	2,096
3,8	Idrees, M.; Islam, S.; Tirmizi, S. I. A.; et al.	Application of the optimal homotopy asymptotic method for the solution of the Korteweg-de Vries equation	MATHEMATICAL AND COMPUTER MODELLING	2012	55(3-4)	1324-1333	2,020	2,120

3,9	Ghoreishi, Mohammad; Ismail, Ahmad Izani B. Md; Rashid, Abdur	The One Step Optimal Homotopy Analysis Method to Circular Porous Slider	MATHEMATICAL PROBLEMS IN ENGINEERING	2012	2012	135472	1,082	1,182
3,1	Mabood, Fazle; Ismail, Ahmad Izani Bin Md; Hashim, Ishak	Application of Optimal Homotopy Asymptotic Method for the Approximate Solution of Riccati Equation	SAINS MALAYSIANA	2013	42(6)	863-867	0,48	0,580
4	Vasile Marinca, Nicolae Herisanu	Application of Optimal Homotopy Asymptotic Method for solving nonlinear equations arising in heat transfer	INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER	2008	35(6)	710-715	2,124	2,224
4,1	Khasawneh, Kafa; Dababneh, Saed; Odibat, Zaid	A solution of the neutron diffusion equation in hemispherical symmetry using the homotopy perturbation method	ANNALS OF NUCLEAR ENERGY	2009	36(11-12)	1711-1717	1,020	1,120
4,2	Joneidi, A. A.; Ganji, D. D.; Babaelahi, M	Micropolar flow in a porous channel with high mass transfer	INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER	2009	36(10)	1082-1088	2,124	2,224
4,3	Bouaziz, M. N.; Aziz, Abdul	Simple and accurate solution for convective-radiative fin with temperature dependent thermal conductivity using double optimal linearization	ENERGY CONVERSION AND MANAGEMENT	2010	51(12)	2776-2782	3,590	3,690
4,4	Babaelahi, M.; Domairry, G.; Joneidi, A. A	Viscoelastic MHD flow boundary layer over a stretching surface with viscous and ohmic dissipations	MECCANICA	2010	45(6)	817-827	1,815	1,915
4,5	Joneidi, A. A.; Domairry, G.; Babaelahi, M.	Homotopy Analysis Method to Walter's B fluid in a vertical channel with porous wall	MECCANICA	2010	45(6)	857-868	1,815	1,915
4,6	Wang, Chun; Niu, Zhao	Reply to "Comments on 'A one-step optimal homotopy analysis method for nonlinear differential equations'"	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	2010	15(11)	3740-3743	2,569	2,669
4,7	Shah, Rehan Ali; Islam, Saeed; Zaman, Gul; et al.	SOLUTION OF STAGNATION POINT FLOW WITH HEAT TRANSFER ANALYSIS BY OPTIMAL HOMOTOPY ASYMPTOTIC METHOD	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A	2010	11(4)	312-321	1,115	1,215
4,8	Liao, Shijun	An optimal homotopy-analysis approach for strongly nonlinear differential equations	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	2010	15(8)	2003-2016	2,569	2,669

4,9	Niu, Zhao; Wang, Chun	A one-step optimal homotopy analysis method for nonlinear differential equations	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	2010	15(8)	2026-2036	2,569	2,669
4,1	Iqbal, S.; Idrees, M.; Siddiqui, A. M.; et al.	Some solutions of the linear and nonlinear Klein-Gordon equations using the optimal homotopy asymptotic method	APPLIED MATHEMATICS AND COMPUTATION	2010	216(10)	2898-2909	1,600	1,700
4,11	Esmailpour, M.; Ganji, D. D.	Solution of the Jeffery-Hamel flow problem by optimal homotopy asymptotic method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2010	59(11)	3405-3411	1,996	2,096
4,12	Idrees, M.; Islam, S.; Haq, Sirajul; et al.	Application of the Optimal Homotopy Asymptotic Method to squeezing flow	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2010	59(12)	3858-3866	1,996	2,096
4,13	Islam, S.; Shah, Rehan Ali; Ali, Ishtiaq; et al.	Optimal Homotopy Asymptotic Solutions of Couette and Poiseuille Flows of a Third Grade Fluid with Heat Transfer Analysis	INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION	2010	11(6)	389-400	0,453	0,553
4,14	Ali, Javed; Islam, S.; Islam, Sirajul; et al.	The solution of multipoint boundary value problems by the Optimal Homotopy Asymptotic Method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2010	59(6)	2000-2006	1,996	2,096
4,15	Motsa, Sandile Sydney; Sibanda, Precious; Marewo, Gerald T.; et al.	A Note on Improved Homotopy Analysis Method for Solving the Jeffery-Hamel Flow	MATHEMATICAL PROBLEMS IN ENGINEERING	2010	2012	359297	1,082	1,182
4,16	Babaelahi, Mojtaba; Ganji, Davood Domiri; Joneidi, Amin Ahmadi	ANALYTICAL TREATMENT OF MIXED CONVECTION FLOW PAST VERTICAL FLAT PLATE	THERMAL SCIENCE	2010	14(2)	409-416	0,962	1,062
4,17	Temimi, H.; Ansari, A. R.; Siddiqui, A. M.	An approximate solution for the static beam problem and nonlinear integro-differential equations	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2011	62(8)	3132-3139	1,996	2,096

4,18	Ghoreishi, M.; Ismail, A. I. B. Md.; Alomari, A. K.	Comparison between homotopy analysis method and optimal homotopy asymptotic method for nth-order integro-differential equation	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2011	34(15)	1833-1842	0,877	0,977
4,19	Iqbal, S.; Ansari, A. R.; Siddiqui, A. M.; et al.	Use of Optimal Homotopy Asymptotic Method and Galerkin's Finite Element Formulation in the Study of Heat Transfer Flow of a Third Grade Fluid Between Parallel Plates	JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME	2011	133(9)	91702	2,055	2,155
4,2	Ali, Javed; Islam, Saeed; Khan, Hamid; et al.	THE SOLUTION OF A PARAMTERIZED SIXTH ORDER BOUNDARY VALUE PROBLEM BY THE OPTIMAL HOMOTOPY ASYMPTOTIC METHOD	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A	2011	12(3)	167-172	1,115	1,215
4,21	Iqbal, S.; Javed, A.	Application of optimal homotopy asymptotic method for the analytic solution of singular Lane-Emden type equation	APPLIED MATHEMATICS AND COMPUTATION	2011	217(19)	7753-7761	1,600	1,700
4,22	Dababneh, Saed; Khasawneh, Kafa; Odibat, Zaid	An alternative solution of the neutron diffusion equation in cylindrical symmetry	ANNALS OF NUCLEAR ENERGY	2011	38(5)	1140-1143	1,020	1,120
4,23	You, Xiangcheng; Xu, Hang	Analytical approximations for the periodic motion of the Duffing system with delayed feedback	NUMERICAL ALGORITHMS	2011	56(4)	561-576	1,005	1,105
4,24	Islam, S.; Bano, Z.; Siddique, I.; et al.	The optimal solution for the flow of a fourth-grade fluid with partial slip	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2011	61(6)	1507-1516	1,996	2,096
4,25	Shah, Rehan Ali; Islam, S.; Siddiqui, A. M.; et al.	An Optimal Homotopy Asymptotic Method Solution of Injection of a Newtonian Fluid Through One Side of a Long Vertical Channel	HEAT TRANSFER RESEARCH	2011	42(3)	267-283	0,250	0,350
4,26	Siddiqui, A. M.; Sadiq, S.; Ansari, A. R.; et al.	MACROSCOPIC ANALYSIS OF FLOW THROUGH A POROUS MEDIUM BETWEEN TWO CIRCULAR CYLINDERS	JOURNAL OF POROUS MEDIA	2011	14(9)	751-760	0,467	0,567
4,27	Joneidi, A. A.; Domairry, G.; Babaelahi, M.	EFFECT OF MASS TRANSFER ON A FLOW IN THE MAGNETOHYDRODYNAMIC SQUEEZE FILM BETWEEN TWO PARALLEL DISKS WITH ONE POROUS DISK	CHEMICAL ENGINEERING COMMUNICATIONS	2011	198(3)	299-311	0,788	0,888
4,28	Caruntu, Bogdan; Bota, Constantin	Approximate polynomial solutions for nonlinear heat transfer problems using the squared remainder minimization method	INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER	2012	39(9)	1336-1341	2,124	2,224

4,29	Torabi, Mohsen; Aziz, A.	Thermal performance and efficiency of convective-radiative T-shaped fins with temperature dependent thermal conductivity, heat transfer coefficient and surface emissivity	INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER	2012	39(8)	1018-1029	2,124	2,224
4,3	Haq, Sirajul; Ishaq, Muhammad	Solution of strongly nonlinear ordinary differential equations arising in heat transfer with optimal homotopy asymptotic method	INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER	2012	55(21-22)	5737-5743	2,522	2,622
4,31	Pandey, Ram K.; Singh, Om P.; Baranwal, Vipul K.; et al.	An analytic solution for the space-time fractional advection-dispersion equation using the optimal homotopy asymptotic method	COMPUTER PHYSICS COMMUNICATIONS	2012	183(10)	2098-2106	2,407	2,507
4,32	Hashmi, M. S.; Khan, N.; Iqbal, S	Numerical solutions of weakly singular Volterra integral equations using the optimal homotopy asymptotic method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2012	64(6)	1567-1574	1,996	2,096
4,33	Zheng, Liancun; Niu, Jiajia; Zhang, Xinxin; et al.	MHD flow and heat transfer over a porous shrinking surface with velocity slip and temperature jump	MATHEMATICAL AND COMPUTER MODELLING	2012	56(5-6)	133-144	2,020	2,120
4,34	Hashmi, M. S.; Khan, N.; Iqbal, S.	Optimal homotopy asymptotic method for solving nonlinear Fredholm integral equations of second kind	APPLIED MATHEMATICS AND COMPUTATION	2012	218(22)	0982-1098	1,600	1,700
4,35	Kaliji, H. D.; Ghadimi, M.; Pashaei, M. H.	STUDY THE BEHAVIOR OF AN ELECTRICALLY EXCITING NANOTUBE USING OPTIMAL HOMOTOPY ASYMPTOTIC METHOD	INTERNATIONAL JOURNAL OF APPLIED MECHANICS	2012	4(1)	1120-1136	1,293	1,393
4,36	Ghoreishi, M.; Ismail, A. I. B. Md; Alomari, A. K.; et al.	The comparison between Homotopy Analysis Method and Optimal Homotopy Asymptotic Method for nonlinear age-structured population models	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	2012	17(3)	1163-1177	2,569	2,669
4,37	Shah, Rehan Ali; Islam, Saeed; Siddiqui, A. M.; et al.	Wire coating analysis with Oldroyd 8-constant fluid by Optimal Homotopy Asymptotic Method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2012	63(3)	695-707	1,996	2,096
4,38	Idrees, M.; Islam, S.; Tirmizi, S. I. A.; et al.	Application of the optimal homotopy asymptotic method for the solution of the Korteweg-de Vries equation	MATHEMATICAL AND COMPUTER MODELLING	2012	55(3-4)	1324-1333	2,020	2,120

4,39	Danish, Mohammad; Kumar, Shashi; Kumar, Surendra	A note on the solution of singular boundary value problems arising in engineering and applied sciences: Use of OHAM	COMPUTERS & CHEMICAL ENGINEERING	2012	36	57-67	2,452	2,552
4,4	Ghoreishi, Mohammad; Ismail, Ahmad Izani B. Md; Rashid, Abdur	The One Step Optimal Homotopy Analysis Method to Circular Porous Slider	MATHEMATICAL PROBLEMS IN ENGINEERING	2012	2012	135472	1,082	1,182
4,41	Aksoy, Yigit; Pakdemirli, Mehmet; Abbasbandy, Saeid; et al.	New perturbation-iteration solutions for nonlinear heat transfer equations	INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW	2012	22(6-7)	814-828	0,919	1,019
4,42	Khan, Hamid; Islam, S.; Ali, Javed; et al.	Comparison of Different Analytic Solutions to Axisymmetric Squeezing Fluid Flow between Two Infinite Parallel Plates with Slip Boundary Conditions	ABSTRACT AND APPLIED ANALYSIS	2012	2012	835268	1,274	1,374
4,43	Ali, Javed; Islam, S.; Khan, Hamid; et al.	The Optimal Homotopy Asymptotic Method for the Solution of Higher-Order Boundary Value Problems in Finite Domains	ABSTRACT AND APPLIED ANALYSIS	2012	2012	401217	1,274	1,374
5	Marinca Vasile, Herisanu Nicolae, Bota Constantin, Marinca Bogdan	An optimal homotopy asymptotic method applied to the steady flow of a fourth-grade fluid past a porous plate	APPLIED MATHEMATICS LETTERS	2009	22(2)	245-251	1,480	1,580
5,1	Joneidi, A. A.; Ganji, D. D.; Babaelahi, M.	Micropolar flow in a porous channel with high mass transfer	INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER	2009	36(10)	1082-1088	2,124	2,224
5,2	Siddiqui, A. M.; Ansari, A. R.; Ahmad, A.; et al.	On Taylor's Scraping Problem and Flow of a Sisko Fluid	MATHEMATICAL MODELLING AND ANALYSIS	2009	14(4)	515-529	0,538	0,638
5,3	Babaelahi, M.; Domairry, G.; Joneidi, A. A.	Viscoelastic MHD flow boundary layer over a stretching surface with viscous and ohmic dissipations	MECCANICA	2010	45(6)	817-827	1,815	1,915
5,4	Wang, Chun; Niu, Zhao	Reply to "Comments on 'A one-step optimal homotopy analysis method for nonlinear differential equations'"	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	2010	15(11)	3740-3743	2,569	2,669

5,5	Shah, Rehan Ali; Islam, Saeed; Zaman, Gul; et al.	SOLUTION OF STAGNATION POINT FLOW WITH HEAT TRANSFER ANALYSIS BY OPTIMAL HOMOTOPY ASYMPTOTIC METHOD	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A	2010	11(4)	312-321	1,115	1,215
5,6	Liao, Shijun	An optimal homotopy-analysis approach for strongly nonlinear differential equations	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	2010	15(8)	2003-2016	2,569	2,669
5,7	Niu, Zhao; Wang, Chun	A one-step optimal homotopy analysis method for nonlinear differential equations	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	2010	15(8)	2026-2036	2,569	2,669
5,8	Iqbal, S.; Idrees, M.; Siddiqui, A. M.; et al.	Some solutions of the linear and nonlinear Klein-Gordon equations using the optimal homotopy asymptotic method	APPLIED MATHEMATICS AND COMPUTATION	2010	216(10)	2898-2909	1,600	1,700
5,9	Esmailpour, M.; Ganji, D. D.	Solution of the Jeffery-Hamel flow problem by optimal homotopy asymptotic method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2010	59(11)	3405-3411	1,996	2,096
5,1	Idrees, M.; Islam, S.; Haq, Sirajul; et al.	Application of the Optimal Homotopy Asymptotic Method to squeezing flow	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2010	59(12)	3858-3866	1,996	2,096
5,11	Islam, S.; Shah, Rehan Ali; Ali, Ishtiaq; et al.	Optimal Homotopy Asymptotic Solutions of Couette and Poiseuille Flows of a Third Grade Fluid with Heat Transfer Analysis	INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION	2010	11(6)	389-400	0,453	0,553
5,12	Ali, Javed; Islam, S.; Islam, Sirajul; et al.	The solution of multipoint boundary value problems by the Optimal Homotopy Asymptotic Method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2010	59(6)	2000-2006	1,996	2,096
5,13	Motsa, Sandile Sydney; Sibanda, Precious; Marewo, Gerald T.; et al.	A Note on Improved Homotopy Analysis Method for Solving the Jeffery-Hamel Flow	MATHEMATICAL PROBLEMS IN ENGINEERING	2010	2010	359297	1,082	1,182

5,14	Babaelahi, Mojtaba; Ganji, Davood Domiri; Joneidi, Amin Ahmadi	ANALYTICAL TREATMENT OF MIXED CONVECTION FLOW PAST VERTICAL FLAT PLATE	THERMAL SCIENCE	2010	14(2)	409-416	0,962	1,062
5,15	Temimi, H.; Ansari, A. R.; Siddiqui, A. M.	An approximate solution for the static beam problem and nonlinear integro-differential equations	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2011	62(8)	3132-3139	1,996	2,096
5,16	Ghoreishi, M.; Ismail, A. I. B. Md.; Alomari, A. K.	Comparison between homotopy analysis method and optimal homotopy asymptotic method for nth-order integro-differential equation	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2011	34(15)	1833-1842	0,877	0,977
5,17	Iqbal, S.; Ansari, A. R.; Siddiqui, A. M.; et al.	Use of Optimal Homotopy Asymptotic Method and Galerkin's Finite Element Formulation in the Study of Heat Transfer Flow of a Third Grade Fluid Between Parallel Plates	JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME	2011	133(9)	91702	2,055	2,155
5,18	Ali, Javed; Islam, Saeed; Khan, Hamid; et al.	THE SOLUTION OF A PARAMETERIZED SIXTH ORDER BOUNDARY VALUE PROBLEM BY THE OPTIMAL HOMOTOPY ASYMPTOTIC METHOD	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A	2011	12(3)	167-172	1,115	1,215
5,19	Iqbal, S.; Javed, A.	Application of optimal homotopy asymptotic method for the analytic solution of singular Lane-Emden type equation	APPLIED MATHEMATICS AND COMPUTATION	2011	217(19)	7753-7761	1,600	1,700
5,2	You, Xiangcheng; Xu, Hang	Analytical approximations for the periodic motion of the Duffing system with delayed feedback	NUMERICAL ALGORITHMS	2011	56(4)	561-576	1,005	1,105
5,21	Islam, S.; Bano, Z.; Siddique, I.; et al.	The optimal solution for the flow of a fourth-grade fluid with partial slip	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2011	61(6)	1507-1516	1,996	2,096
5,22	Shah, Rehan Ali; Islam, S.; Siddiqui, A. M.; et al.	An Optimal Homotopy Asymptotic Method Solution of Injection of a Newtonian Fluid Through One Side of a Long Vertical Channel	HEAT TRANSFER RESEARCH	2011	42(3)	267-283	0,250	0,350
5,23	Farrokhzad, F.; Mowlae, P.; Barari, A.; et al.	Analytical investigation of beam deformation equation using perturbation, homotopy perturbation, variational iteration and optimal homotopy asymptotic methods	CARPATHIAN JOURNAL OF MATHEMATICS	2011	27(1)	51-63	0,642	0,742

5,24	Pandey, Ram K.; Singh, Om P.; Baranwal, Vipul K.; et al.	An analytic solution for the space-time fractional advection-dispersion equation using the optimal homotopy asymptotic method	COMPUTER PHYSICS COMMUNICATIONS	2012	183(10)	2098-2106	2,407	2,507
5,25	Zheng, Liancun; Niu, Jiajia; Zhang, Xinxin; et al.	MHD flow and heat transfer over a porous shrinking surface with velocity slip and temperature jump	MATHEMATICAL AND COMPUTER MODELLING	2012	56(5-6)	133-144	2,020	2,120
5,26	Ghoreishi, M.; Ismail, A. I. B. Md; Alomari, A. K.; et al.	The comparison between Homotopy Analysis Method and Optimal Homotopy Asymptotic Method for nonlinear age-structured population models	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	2012	17(3)	1163-1177	2,569	2,669
5,27	Shah, Rehan Ali; Islam, Saeed; Siddiqui, A. M.; et al.	Wire coating analysis with Oldroyd 8-constant fluid by Optimal Homotopy Asymptotic Method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2012	63(3)	695-707	1,996	2,096
5,28	Idrees, M.; Islam, S.; Tirmizi, S. I. A.; et al.	Application of the optimal homotopy asymptotic method for the solution of the Korteweg-de Vries equation	MATHEMATICAL AND COMPUTER MODELLING	2012	55(3-4)	1324-1333	2,020	2,120
5,29	Ghoreishi, Mohammad; Ismail, Ahmad Izani B. Md; Rashid, Abdur	The One Step Optimal Homotopy Analysis Method to Circular Porous Slider	MATHEMATICAL PROBLEMS IN ENGINEERING	2012	2012	135472	1,082	1,182
5,3	Aziz, Taha; Mahomed, F. M.	Closed-Form Solutions for a Nonlinear Partial Differential Equation Arising in the Study of a Fourth Grade Fluid Model	JOURNAL OF APPLIED MATHEMATICS	2012	2012	931587	0,720	0,820
5,31	Khan, Hamid; Islam, S.; Ali, Javed; et al.	Comparison of Different Analytic Solutions to Axisymmetric Squeezing Fluid Flow between Two Infinite Parallel Plates with Slip Boundary Conditions	ABSTRACT AND APPLIED ANALYSIS	2012	2012	835268	1,274	1,374
5,32	Ali, Javed; Islam, S.; Khan, Hamid; et al.	The Optimal Homotopy Asymptotic Method for the Solution of Higher-Order Boundary Value Problems in Finite Domains	ABSTRACT AND APPLIED ANALYSIS	2012	2012	401217	1,274	1,374
5,33	Sadri, S.; Babaelahi, M.	ANALYSIS OF A LAMINAR BOUNDARY LAYER FLOW OVER A FLAT PLATE WITH INJECTION OR SUCTION	JOURNAL OF APPLIED MECHANICS AND TECHNICAL PHYSICS	2013	54(1)	59-67	0,268	0,368
5,34	Anakira, N. Ratib; Alomari, A. K.; Hashim, I.	Numerical Scheme for Solving Singular Two-Point Boundary Value Problems	JOURNAL OF APPLIED MATHEMATICS	2013	2013	Article Number: 468909	0,720	0,820

5,35	Aziz, Taha; Fatima, A.; Mahomed, F. M.	Shock Wave Solution for a Nonlinear Partial Differential Equation Arising in the Study of a Non-Newtonian Fourth Grade Fluid Model	MATHEMATICAL PROBLEMS IN ENGINEERING	2013	2013	Article Number: 573170	1,082	1,182
5,36	Alomari, A. K.; Anakira, N. Ratib; Bataineh, A. Sami; et al.	Approximate Solution of Nonlinear System of BVP Arising in Fluid Flow Problem	MATHEMATICAL PROBLEMS IN ENGINEERING	2013	2013	Article Number: 136043	1,082	1,182
5,37	Aziz, Taha; Moitsheki, R. J.; Fatima, A.; et al.	Shock Wave Solutions for Some Nonlinear Flow Models Arising in the Study of a Non-Newtonian Third Grade Fluid	MATHEMATICAL PROBLEMS IN ENGINEERING	2013	2013	Article Number: 602902	1,082	1,182
5,38	Nawaz, R.; Ullah, H.; Islam, S.; et al.	Application of Optimal Homotopy Asymptotic Method to Burger Equations	JOURNAL OF APPLIED MATHEMATICS	2013	2013	Article Number: 387478	0,720	0,820
5,39	Zeb, A.; Iqbal, S.; Siddiqui, A. M.; et al.	Application of the optimal homotopy asymptotic method to flow with heat transfer of a pseudoplastic fluid inside a circular pipe	JOURNAL OF THE CHINESE INSTITUTE OF ENGINEERS	2013	36(6)	797-805	0,209	0,309
5,4	Fan, Tao; You, Xiangcheng	Optimal homotopy analysis method for nonlinear differential equations in the boundary layer	NUMERICAL ALGORITHMS	2013	62(2)	337-354	1,005	1,105
5,41): Aziz, Taha; Mahomed, F. M.	Reductions and solutions for the unsteady flow of a fourth grade fluid on a porous plate	APPLIED MATHEMATICS AND COMPUTATION	2013	219(17)	9187-9195	1,600	1,700
5,42	Mabood, Fazle; Ismail, Ahmad Izani Bin Md; Hashim, Ishak	Application of Optimal Homotopy Asymptotic Method for the Approximate Solution of Riccati Equation	SAINS MALAYSIANA	2013	42(6)	863-867	0,48	0,580
5,43	Irاندoust-pakchin, Safar; Kheiri, Hossein; Abdi-mazraeh, Somayeh	Efficient computational algorithms for solving one class of fractional boundary value problems	COMPUTATIONAL MATHEMATICS AND MATHEMATICAL PHYSICS	2013	53(7)	920-932	0,585	0,685
6	Marinca Vasile, Herisanu Nicolae, Nemes Iacob	Optimal homotopy asymptotic method with application to thin film flow	CENTRAL EUROPEAN JOURNAL OF PHYSICS	2008	6(3)	648-653	1,077	1,177

6,1	Babaelahi, M.; Domairry, G.; Joneidi, A. A.	Viscoelastic MHD flow boundary layer over a stretching surface with viscous and ohmic dissipations	MECCANICA	2010	45(6)	817-827	1,815	1,915
6,2	Wang, Chun; Niu, Zhao	Reply to "Comments on 'A one-step optimal homotopy analysis method for nonlinear differential equations'"	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	2010	15(11)	3740-3743	2,569	2,669
6,3	Shah, Rehan Ali; Islam, Saeed; Zaman, Gul; et al.	SOLUTION OF STAGNATION POINT FLOW WITH HEAT TRANSFER ANALYSIS BY OPTIMAL HOMOTOPY ASYMPTOTIC METHOD	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A	2010	11(4)	312-321	1,115	1,215
6,4	Liao, Shijun	An optimal homotopy-analysis approach for strongly nonlinear differential equations	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	2010	15(8)	2003-2016	2,569	2,669
6,5	Iqbal, S.; Idrees, M.; Siddiqui, A. M.; et al.	Some solutions of the linear and nonlinear Klein-Gordon equations using the optimal homotopy asymptotic method	APPLIED MATHEMATICS AND COMPUTATION	2010	216(10)	2898-2909	1,600	1,700
6,6	Idrees, M.; Islam, S.; Haq, Sirajul; et al.	Application of the Optimal Homotopy Asymptotic Method to squeezing flow	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2010	59(12)	3858-3866	1,996	2,096
6,7	Islam, S.; Shah, Rehan Ali; Ali, Ishtiaq; et al.	Optimal Homotopy Asymptotic Solutions of Couette and Poiseuille Flows of a Third Grade Fluid with Heat Transfer Analysis	INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION	2010	11(6)	389-400	0,453	0,553
6,8	Akyildiz, F. Talay; Siginer, Dennis A.; Vajravelu, K.; et al.	Analytical and numerical results for the Swift-Hohenberg equation	APPLIED MATHEMATICS AND COMPUTATION	2010	216(1)	221-226	1,600	1,700
6,9	Ali, Javed; Islam, S.; Islam, Sirajul; et al.	The solution of multipoint boundary value problems by the Optimal Homotopy Asymptotic Method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2010	59(6)	2000-2006	1,996	2,096
6,1	He, Ji-Huan	A NOTE ON THE HOMOTOPY PERTURBATION METHOD	THERMAL SCIENCE	2010	14(2)	565-568	0,962	1,062
6,11	Temimi, H.; Ansari, A. R.; Siddiqui, A. M.	An approximate solution for the static beam problem and nonlinear integro-differential equations	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2011	62(8)	3132-3139	1,996	2,096

6,12	Ghoreishi, M.; Ismail, A. I. B. Md.; Alomari, A. K.	Comparison between homotopy analysis method and optimal homotopy asymptotic method for nth-order integro-differential equation	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2011	34(15)	1833-1842	0,877	0,977
6,13	Iqbal, S.; Ansari, A. R.; Siddiqui, A. M.; et al.	Use of Optimal Homotopy Asymptotic Method and Galerkin's Finite Element Formulation in the Study of Heat Transfer Flow of a Third Grade Fluid Between Parallel Plates	JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME	2011	133(9)	91702	2,055	2,155
6,14	Ali, Javed; Islam, Saeed; Khan, Hamid; et al.	THE SOLUTION OF A PARAMETERIZED SIXTH ORDER BOUNDARY VALUE PROBLEM BY THE OPTIMAL HOMOTOPY ASYMPTOTIC METHOD	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A	2011	12(3)	167-172	1,115	1,215
6,15	Iqbal, S.; Javed, A.	Application of optimal homotopy asymptotic method for the analytic solution of singular Lane-Emden type equation	APPLIED MATHEMATICS AND COMPUTATION	2011	217(19)	7753-7761	1,600	1,700
6,16	Islam, S.; Bano, Z.; Siddique, I.; et al.	The optimal solution for the flow of a fourth-grade fluid with partial slip	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2011	61(6)	1507-1516	1,996	2,096
6,17	Shah, Rehan Ali; Islam, S.; Siddiqui, A. M.; et al.	An Optimal Homotopy Asymptotic Method Solution of Injection of a Newtonian Fluid Through One Side of a Long Vertical Channel	HEAT TRANSFER RESEARCH	2011	42(3)	267-283	0,250	0,350
6,18	Siddiqui, A. M.; Sadiq, S.; Ansari, A. R.; et al.	MACROSCOPIC ANALYSIS OF FLOW THROUGH A POROUS MEDIUM BETWEEN TWO CIRCULAR CYLINDERS	JOURNAL OF POROUS MEDIA	2011	14(9)	751-760	0,467	0,567
6,19	Abelman, S.; Nguetchue, S. N. Neossi	Application of the Homotopy Analysis Method (HAM) to Thin Film Flow of a Generalized Second-Grade Fluid on a Vertically Moving Belt	CHEMICAL ENGINEERING COMMUNICATIONS	2012	199(10)	1298-1319	0,788	0,888
6,2	Ali, Javed; Islam, S.; Khan, Hamid; et al.	The Optimal Homotopy Asymptotic Method for the Solution of Higher-Order Boundary Value Problems in Finite Domains	ABSTRACT AND APPLIED ANALYSIS	2012	2012	401217	1,274	1,374
6,21	Haq, Sirajul; Ishaq, Muhammad	Solution of strongly nonlinear ordinary differential equations arising in heat transfer with optimal homotopy asymptotic method	INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER	2012	55(21-22)	5737-5743	2,522	2,622
6,22	Pandey, Ram K.; Singh, Om P.; Baranwal, Vipul K.; et al.	An analytic solution for the space-time fractional advection-dispersion equation using the optimal homotopy asymptotic method	COMPUTER PHYSICS COMMUNICATIONS	2012	183(10)	2098-2106	2,407	2,507

6,23	Zheng, Liancun; Niu, Jiajia; Zhang, Xinxin; et al.	MHD flow and heat transfer over a porous shrinking surface with velocity slip and temperature jump	MATHEMATICAL AND COMPUTER MODELLING	2012	56(5-6)	133-144	2,020	2,120
6,24	Ghoreishi, M.; Ismail, A. I. B. Md; Alomari, A. K.; et al.	The comparison between Homotopy Analysis Method and Optimal Homotopy Asymptotic Method for nonlinear age-structured population models	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	2012	17(3)	1163-1177	2,569	2,669
6,25	Shah, Rehan Ali; Islam, Saeed; Siddiqui, A. M.; et al.	Wire coating analysis with Oldroyd 8-constant fluid by Optimal Homotopy Asymptotic Method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2012	63(3)	695-707	1,996	2,096
6,26	Idrees, M.; Islam, S.; Tirmizi, S. I. A.; et al.	Application of the optimal homotopy asymptotic method for the solution of the Korteweg-de Vries equation	MATHEMATICAL AND COMPUTER MODELLING	2012	55(3-4)	1324-1333	2,020	2,120
6,27	Ghoreishi, Mohammad; Ismail, Ahmad Izani B. Md; Rashid, Abdur	The One Step Optimal Homotopy Analysis Method to Circular Porous Slider	MATHEMATICAL PROBLEMS IN ENGINEERING	2012	2012	135472	1,082	1,182
6,28	Aziz, Taha; Fatima, A.; Mahomed, F. M.	Shock Wave Solution for a Nonlinear Partial Differential Equation Arising in the Study of a Non-Newtonian Fourth Grade Fluid Model	MATHEMATICAL PROBLEMS IN ENGINEERING	2013	2013	Article Number: 573170	1,082	1,182
6,29	Alomari, A. K.; Anakira, N. Ratib; Bataineh, A. Sami; et al.	Approximate Solution of Nonlinear System of BVP Arising in Fluid Flow Problem	MATHEMATICAL PROBLEMS IN ENGINEERING	2013	2013	Article Number: 136043	1,082	1,182
6,3	Aziz, Taha; Moitsheki, R. J.; Fatima, A.; et al.	Shock Wave Solutions for Some Nonlinear Flow Models Arising in the Study of a Non-Newtonian Third Grade Fluid	MATHEMATICAL PROBLEMS IN ENGINEERING	2013	2013	Article Number: 602902	1,082	1,182
6,31	Nawaz, R.; Ullah, H.; Islam, S.; et al.	Application of Optimal Homotopy Asymptotic Method to Burger Equations	JOURNAL OF APPLIED MATHEMATICS	2013	2013	Article Number: 387478	0,720	0,820
6,32	Zeb, A.; Iqbal, S.; Siddiqui, A. M.; et al.	Application of the optimal homotopy asymptotic method to flow with heat transfer of a pseudoplastic fluid inside a circular pipe	JOURNAL OF THE CHINESE INSTITUTE OF ENGINEERS	2013	36(6)	797-805	0,209	0,309

6,33	Fan, Tao; You, Xiangcheng	Optimal homotopy analysis method for nonlinear differential equations in the boundary layer	NUMERICAL ALGORITHMS	2013	62(2)	337-354	1,005	1,105
6,34	Aziz, Taha; Mahomed, F. M.	Reductions and solutions for the unsteady flow of a fourth grade fluid on a porous plate	APPLIED MATHEMATICS AND COMPUTATION	2013	219(17)	9187-9195	1,600	1,700
6,35	Mabood, Fazle; Ismail, Ahmad Izani Bin Md; Hashim, Ishak	Application of Optimal Homotopy Asymptotic Method for the Approximate Solution of Riccati Equation	SAINS MALAYSIANA	2013	42(6)	863-867	0,48	0,580
6,36	Irاندoust-pakchin, Safar; Kheiri, Hossein; Abdi-mazraeh, Somayeh	Efficient computational algorithms for solving one class of fractional boundary value problems	COMPUTATIONAL MATHEMATICS AND MATHEMATICAL PHYSICS	2013	53(7)	920-932	0,585	0,685
7	Marinca Vasile, Herisanu Nicolae	A modified iteration perturbation method for some nonlinear oscillation problems	ACTA MECHANICA	2006	184(1-4)	231-242	1,268	1,368
7,1	Yamgoue, Serge Bruno; Kofane, Timoleon Crepin	Linearized harmonic balance based derivation of slow flow for some class of autonomous single degree of freedom oscillators	INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS	2008	43(9)	993-999	1,463	1,563
7,2	Ramos, J. I.	Series approach to the Lane-Emden equation and comparison with the homotopy perturbation method	CHAOS SOLITONS & FRACTALS	2008	38(2)	400-408	1,503	1,603
7,3	Chen, Y. M.; Liu, J. K.	A modified Mickens iteration procedure for nonlinear oscillators	JOURNAL OF SOUND AND VIBRATION	2008	314(3-5)	465-473	1,857	1,957
7,4	Ramos, J. I.	On the variational iteration method and other iterative techniques for nonlinear differential equations	APPLIED MATHEMATICS AND COMPUTATION	2008	199(1)	39-69	1,600	1,700
7,6	Kachapi, S. H. A. Hashemi; Ganji, D. D.; Davodi, A. G.; et al.	Periodic solution for strongly nonlinear vibration systems by He's variational iteration method	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2009	32(18)	2339-2349	0,877	0,977
7,7	Ganji, S. S.; Ganji, D. D.; Ganji, Z. Z.; et al.	Periodic Solution for Strongly Nonlinear Vibration Systems by He's Energy Balance Method	ACTA APPLICANDAE MATHEMATICAE	2009	106(1)	79-92	0,702	0,802

7,8	Aksoy, Yigit; Pakdemirli, Mehmet	New perturbation-iteration solutions for Bratu-type equations	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2010	59(8)	2802-2808	1,996	2,096
7,9	Pakdemirli, Mehmet; Karahan, Mustafa Mehmet Fatih	A new perturbation solution for systems with strong quadratic and cubic nonlinearities	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2010	33(6)	704-712	0,877	0,977
7,1	Aksoy, Yigit; Pakdemirli, Mehmet; Abbasbandy, Saeid; et al.	New perturbation-iteration solutions for nonlinear heat transfer equations	INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW	2012	22(6)	814-828	0,919	1,019
7,11	Bayat, Mahmoud; Pakar, Iman; Domairry, Ganji	Recent developments of some asymptotic methods and their applications for nonlinear vibration equations in engineering problems: A review	LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES	2012	9(2)	145-234	1,254	1,354
8	Marinca Vasile, Herisanu Nicolae	Periodic solutions for some strongly nonlinear oscillations by He's variational iteration method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2007	54(7-8)	1188-1196	1,996	2,096
8,1	Zengin, F. Oezen; Kaya, M. O.; Demirbag, S. Altay	Application of parameter-expansion method to nonlinear oscillators with discontinuities	INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION	2008	9(3)	267-270	0,453	0,553
8,2	Zhang, Hui-Li	Periodic solutions for some strongly nonlinear oscillations by He's energy balance method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2009	58(11-12)	2480-2485	1,996	2,096
8,3	Kaya, M. O.; Demirbag, S. Altay	Application of parameter expansion method to the generalized nonlinear discontinuity equation	CHAOS SOLITONS & FRACTALS	2009	42(4)	1967-1973	1,503	1,603
8,4	Zengin, F. Oezen; Kaya, M. O.; Demirbag, S. Altay	Approximate period calculation for some strongly nonlinear oscillation by He's parameter-expanding methods	NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS	2009	10(4)	2177-2182	2,338	2,438
8,5	He, Xiaoling	Modal Decoupling Using the Method of Weighted Residuals for the Nonlinear Elastic Dynamics of a Clamped Laminated Composite	MATHEMATICAL PROBLEMS IN ENGINEERING	2009	209	972930	1,082	1,182

8,6	Durmaz, S.; Demirbag, S. Altay; Kaya, M. O.	High Order Hamiltonian Approach to Nonlinear Oscillators	INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION	2010	11(8)	565-570	0,453	0,553
8,7	Soltani, L. Ahmad; Shirzadi, Ahmad	A new modification of the variational iteration method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2010	59(8)	2528-2535	1,996	2,096
8,8	Durmaz, S.; Demirbag, S. Altay; Kaya, M. O.	High Order He's Energy Balance Method based on Collocation Method	INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION	2010	11(S)	1-5	0,453	0,553
8,9	Kaya, M. O.; Durmaz, S.; Demirbag, S. Altay	He's Variational Approach to Multiple Coupled Nonlinear Oscillators	INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION	2010	11(10)	859-865	0,453	0,553
8,1	Lv, Xiumei; Lai, Shaoyong; Wu, Yonghong	The physical structures of solutions for generalized K (n, n) and BBM equations with variable coefficients	MATHEMATICAL AND COMPUTER MODELLING	2010	52(5-6)	781-790	2,020	2,120
8,11	Masoudi, S.; Derakhsh, P.; Banam, K.	Cold Soliton of the General Nonlinear Discontinuity Equation	JOURNAL OF LOW TEMPERATURE PHYSICS	2011	164(1-2)	93-101	1,036	1,136
8,12	Zhang, Hui-Li; Qin, Li-Juan	An ancient Chinese mathematical algorithm and its application to nonlinear oscillators	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2011	61(8)	2071-2075	1,996	2,096
8,13	Durmaz, Seher; Demirbag, Sezgin Altay; Kaya, Metin Orhan	Approximate solutions for nonlinear oscillation of a mass attached to a stretched elastic wire	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2011	61(3)	578-585	1,996	2,096
8,14	Labidi, Manel; Omriani, Khaled	The use of variational iteration method and homotopy perturbation method for solving two nonlinear equations	INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW	2011	21(3-4)	377-398	0,919	1,019
8,15	Erturk, Vedat Suat; Odibat, Zaid M.; Momani, Shaher	The Multi-Step Differential Transform Method and Its Application to Determine the Solutions of Non-Linear Oscillators	ADVANCES IN APPLIED MATHEMATICS AND MECHANICS	2012	4(4)	422-438	0,645	0,745

8,16	Lee, Y. Y.; Li, Q. S.; Leung, A. Y. T.; et al.	The jump phenomenon effect on the sound absorption of a nonlinear panel absorber and sound transmission loss of a nonlinear panel backed by a cavity	NONLINEAR DYNAMICS	2012	69(1-2)	99-116	2,419	2,519
8,17	Durmaz, Seher; Kaya, Metin Orhan	High-Order Energy Balance Method to Nonlinear Oscillators	JOURNAL OF APPLIED MATHEMATICS	2012	2012	518684	0,720	0,820
8,18	Bayat, Mahmoud; Pakar, Iman; Domairry, Ganji	Recent developments of some asymptotic methods and their applications for nonlinear vibration equations in engineering problems: A review	LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES	2012	9(2)	145-234	1,254	1,354
9	Marinca Vasile, Herisanu Nicolae	Determination of periodic solutions for the motion of a particle on a rotating parabola by means of the optimal homotopy asymptotic method	JOURNAL OF SOUND AND VIBRATION	2010	329(9)	1450-1459	1,857	1,957
9,1	Babaelahi, M.; Domairry, G.; Joneidi, A. A.	Viscoelastic MHD flow boundary layer over a stretching surface with viscous and ohmic dissipations	MECCANICA	2010	45(6)	817-827	1,815	1,915
9,2	Iqbal, S.; Javed, A.	Application of optimal homotopy asymptotic method for the analytic solution of singular Lane-Emden type equation	APPLIED MATHEMATICS AND COMPUTATION	2011	217(19)	7753-7761	1,600	1,700
9,3	Qian, Y. H.; Zhang, W.; Lin, B. W.; et al.	Analytical approximate periodic solutions for two-degree-of-freedom coupled van der Pol-Duffing oscillators by extended homotopy analysis method	ACTA MECHANICA	2011	219(1-2)	1--14	1,268	1,368
9,4	Hashmi, M. S.; Khan, N.; Iqbal, S.	Numerical solutions of weakly singular Volterra integral equations using the optimal homotopy asymptotic method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2012	64(6)	1567-1574	1,996	2,096
9,5	Hashmi, M. S.; Khan, N.; Iqbal, S.	Optimal homotopy asymptotic method for solving nonlinear Fredholm integral equations of second kind	APPLIED MATHEMATICS AND COMPUTATION	2012	218(22)	0982-1098	1,600	1,700
9,6	Idrees, M.; Islam, S.; Tirmizi, S. I. A.; et al.	Application of the optimal homotopy asymptotic method for the solution of the Korteweg-de Vries equation	MATHEMATICAL AND COMPUTER MODELLING	2012	55(3-4)	1324-1333	2,020	2,120
9,7	Ghoreishi, Mohammad; Ismail, Ahmad Izani B. Md; Rashid, Abdur	The One Step Optimal Homotopy Analysis Method to Circular Porous Slider	MATHEMATICAL PROBLEMS IN ENGINEERING	2012	2012	135472	1,082	1,182

	Ullah, H.; Islam, S.; Idrees, M.; et al.	Solution of Boundary Layer Problems with Heat Transfer by Optimal Homotopy Asymptotic Method	ABSTRACT AND APPLIED ANALYSIS	2013	2013	Article Number: 324869	1,274	1,374
	Mabood, Fazle; Khan, Waqar A.; Md Ismail, Ahmad Izani	Series Solution for Steady Heat Transfer in a Heat-Generating Fin with Convection and Radiation	MATHEMATICAL PROBLEMS IN ENGINEERING	2013	2013	Article Number: 806873	1,082	1,182
	Khan, N.; Mahmood, T.; Hashmi, M. S.	OHAM SOLUTION FOR THIN FILM FLOW OF THIRD- GRADE FLUID THROUGH POROUS MEDIUM OVER AN INCLINED PLANE	HEAT TRANSFER RESEARCH	2013	44(8)	719-731	0,250	0,350
	Ullah, H.; Islam, S.; Idrees, M.; et al.	Application of Optimal Homotopy Asymptotic Method to Doubly Wave Solutions of the Coupled Drinfel'd-Sokolov-Wilson Equations	MATHEMATICAL PROBLEMS IN ENGINEERING	2013	2013	Article Number: 362816	1,082	1,182
	Mabood, Fazle; Khan, Waqar A.; Ismail, Ahmad Izani Md.	Optimal Homotopy Asymptotic Method for Flow and Heat Transfer of a Viscoelastic Fluid in an Axisymmetric Channel with a Porous Wall	PLOS ONE	2013	8(12)	Article Number: e83581	3,534	3,634
	Ullah, H.; Islam, S.; Idrees, M.; et al.	Solution of the Differential-Difference Equations by Optimal Homotopy Asymptotic Method	ABSTRACT AND APPLIED ANALYSIS	2014	2014	Article Number: 520467	1,274	1,374
	Hatami, M.; Ganji, D. D.	Motion of a spherical particle on a rotating parabola using Lagrangian and high accuracy Multi-step Differential Transformation Method	POWDER TECHNOLOGY	2014	258	94-98	2,269	2,369
	Haq, Sirajul; Ishaq, Muhammad	Solution of coupled Whitham-Broer-Kaup equations using optimal homotopy asymptotic method	OCEAN ENGINEERING	2014	84	81-88	1,337	1,437
10	Marinca Vasile, Herisanu Nicolae	Periodic solutions of Duffing equation with strong non-linearity	CHAOS SOLITONS & FRACTALS	2008	37(1)	144-149	1,503	1,603
10,1	Zengin, F. Oezen; Kaya, M. O.; Demirbag, S. Altay	Application of parameter-expansion method to nonlinear oscillators with discontinuities	INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION	2008	9(3)	267-270	0,453	0,553

10,2	Kaya, M. O.; Demirbag, S. Altay	Application of parameter expansion method to the generalized nonlinear discontinuity equation	CHAOS SOLITONS & FRACTALS	2009	42(4)	1967-1973	1,503	1,603
10,3	Zengin, F. Oezen; Kaya, M. O.; Demirbag, S. Altay	Approximate period calculation for some strongly nonlinear oscillation by He's parameter-expanding methods	NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS	2009	10(4)	2177-2182	2,338	2,438
10,4	Demirbag, S. Altay; Kaya, M. O.	Application of He's Max-Min Approach to a Generalized Nonlinear Discontinuity Equation	INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION	2010	11(4)	269-272	0,453	0,553
10,5	Masoudi, S.; Derakhsh, P.; Banam, K.	Cold Soliton of the General Nonlinear Discontinuity Equation	JOURNAL OF LOW TEMPERATURE PHYSICS	2011	164(1-2)	93-101	1,036	1,136
10,6	Munoz, R.; Gonzalez- Garcia, G.; Izquierdo-De La Cruz, E.; et al.	Scleronomic holonomic constraints and conservative nonlinear oscillators	EUROPEAN JOURNAL OF PHYSICS	2011	32(3)	803-818	0,619	0,719
10,7	Khosrozadeh, A.; Hajabasi, M. A.; Fahham, H. R	Analytical Approximations to Conservative Oscillators With Odd Nonlinearity Using the Variational Iteration Method	JOURNAL OF COMPUTATIONAL AND NONLINEAR DYNAMICS	2013	8(1)	Article Number: 014502	1,530	1,630
10,8	Hosseini, S. A. A.	Some considerations on higher order approximation of Duffing equation in the case of primary resonance	SCIENTIA IRANICA	2013	20(5)	1464-1473	0,842	0,942
10,9	Yang, Q. W.; Chen, Y. M.; Liu, J. K.; et al.	A Modified Variational Iteration Method for Nonlinear Oscillators	INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION	2013	14(7-8)	453-462	0,453	0,553
10,1	Cai, Mei-xiang; Yang, Jian- ping; Deng, Jin	Bifurcations and Chaos in Duffing Equation with Damping and External Excitations	ACTA MATHEMATICAE APPLICATAE SINICA-ENGLISH SERIES	2014	30(2)	483-504	0,385	0,485
10,1	Bota, Constantin; Caruntu, Bogdan; Bundau, Olivia	Approximate Periodic Solutions for Oscillatory Phenomena Modelled by Nonlinear Differential Equations	MATHEMATICAL PROBLEMS IN ENGINEERING	2014	2014	Article Number: 513473	1,082	1,182

11	Marinca Vasile, Herisanu Nicolae, Bota Constantin	Application of the variational iteration method to some nonlinear one-dimensional oscillations	MECCANICA	2008	43(1)	75-79	1,815	1,915
11,1	Belendez, A.; Gimeno, E.; Alvarez, M. L.; et al.	A Novel Rational Harmonic Balance Approach for Periodic Solutions of Conservative Nonlinear Oscillators	INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION	2009	10(1)	13-26	0,453	0,553
11,2	Zhao, Yongxiang; Xiao, Aiguo	Variational iteration method for singular perturbation initial value problems	COMPUTER PHYSICS COMMUNICATIONS	2010	181(5)	947-956	2,407	2,507
11,3	Yildirim, Ahmet	Determination of periodic solutions for nonlinear oscillators with fractional powers by He's modified Lindstedt-Poincar, method	MECCANICA	2010	45(1)	1--6	1,815	1,915
11,4	Lu, Jian-Wei; Gu, Jue; Liu, Meng-Jun	Modeling of the vehicle shimmy system with consideration of clearance of the steering linkage mechanism	MECCANICA	2010	45(1)	53-61	1,815	1,915
11,5	Ozis, Turgut; Akci, Ceren	Periodic solutions for certain non-smooth oscillators by iterated homotopy perturbation method combined with modified Lindstedt-Poincar, technique	MECCANICA	2011	46(2)	341-347	1,815	1,915
11,6	Liu, Hongliang; Xiao, Aiguo; Su, Lihong	Convergence of Variational Iteration Method for Second-Order Delay Differential Equations	JOURNAL OF APPLIED MATHEMATICS	2013	2013	Article Number: 634670	0,720	0,820
11,7	Liu, Q. X.; Chen, Y. M.; Liu, J. K.	An Iteration Scheme Suitable for Solving Limit Cycles of Nonsmooth Dynamical Systems	MATHEMATICAL PROBLEMS IN ENGINEERING	2013	2013	Article Number: 582865	1,082	1,182
11,8	Yang, Q. W.; Chen, Y. M.; Liu, J. K.; et al.	A Modified Variational Iteration Method for Nonlinear Oscillators	INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION	2013	14(7-8)	453-462	0,453	0,553
11,9	Zhao, Yongxiang; Xiao, Aiguo; Li, Li; et al.	Variational Iteration Method for Singular Perturbation Initial Value Problems with Delays	MATHEMATICAL PROBLEMS IN ENGINEERING	2014	2014	Article Number: 850343	1,082	1,182
11,1	Chen, Li; Zhao, Yang; Jafari, Hossein; et al.	Local Fractional Variational Iteration Method for Local Fractional Poisson Equations in Two Independent Variables	ABSTRACT AND APPLIED ANALYSIS	2014	2014	Article Number: 484323	1,274	1,374

11,1	Chen, Y. M.; Liu, Q. X.; Liu, J. K.	Limit cycle analysis of nonsmooth aeroelastic system of an airfoil by extended variational iteration method	ACTA MECHANICA	2014	225(7)	2151-2159	1,268	1,368
12	Marinca Vasile, Herisanu Nicolae	Nonlinear dynamic analysis of an electrical machine rotor-bearing system by the optimal homotopy perturbation method	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2011	61(8)	2019- 2024	1,996	2,096
12,1	He, Ji-Huan	Notes on the optimal variational iteration method	APPLIED MATHEMATICS LETTERS	2012	25(10)	1579- 1581	1,480	1,580
12,2	Chen, Shin- Yong	An equivalent direct modeling of a rotary shaft with hot-fit components using contact element modal analysis results	COMPUTERS & MATHEMATICS WITH APPLICATIONS	2012	64(5)	1093-1099	1,996	2,096
12,3	Khan, Y.; Fardi, M.; Boroujeni, F. Hemati	Nonlinear oscillators with rational terms: A new semi-analytical technique	SCIENTIA IRANICA	2013	20(4)	1153-1160	0,842	0,942
12,4	Alam, M. Kamran; Rahim, M. T.; Islam, S.; et al.	OPTIMAL HOMOTOPY ASYMPTOTIC METHOD FOR A THIN FILM FLOW OF A PSEUDO-PLASTIC FLUID DRAINING DOWN OR LIFTING UP ON A CYLINDRICAL SURFACE	CHEMICAL INDUSTRY & CHEMICAL ENGINEERING QUARTERLY	2013	19(4)	513-527	0,659	0,759
12,5	Effati, Sohrab; Nik, Hassan Saberi; Shirazian, Mohammad	An improvement to the homotopy perturbation method for solving the Hamilton-Jacobi-Bellman equation	IMA JOURNAL OF MATHEMATICAL CONTROL AND INFORMATION	2013	30(4)	487-506	0,967	1,067
12,6	Rostamiyan, Yasser; Ganji, Davood Domiri; Rahimi Petroudi, Iman; et al.	ANALYTICAL INVESTIGATION OF NON-LINEAR MODEL ARISING IN HEAT TRANSFER THROUGH THE POROUS FIN	THERMAL SCIENCE	2014	18(2)	409-417	0,962	1,062
13	Vasile Marinca, Nicolae Herisanu	An optimal iteration method with application to the Thomas-Fermi equation	CENTRAL EUROPEAN JOURNAL OF PHYSICS	2011	9(3)	891-895	1,077	1,177
13,1	Khan, Yasir; Akbarzade, Mehdi	Dynamic Analysis of Nonlinear Oscillator Equation Arising in Double-Sided Driven Clamped Microbeam-Based Electromechanical Resonator	ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A	2012	67(8-9)	435-440	0,908	1,008

14	Marinca Vasile, Herisanu Nicolae	Explicit and exact solutions to cubic Duffing and double-well Duffing equations	MATHEMATICAL AND COMPUTER MODELLING	2011	53(5-6)	604-609	2,020	2,120
14,1	Lee, Y. Y.; Li, Q. S.; Leung, A. Y. T.; et al.	The jump phenomenon effect on the sound absorption of a nonlinear panel absorber and sound transmission loss of a nonlinear panel backed by a cavity	NONLINEAR DYNAMICS	2012	69(1-2)	99-116	2,419	2,519
14,2	Dolapci, Ihsan Timucin; Yildirim, Ahmet	Some exact solutions to the generalized Korteweg-de Vries equation and the system of shallow water wave equations	NONLINEAR ANALYSIS-MODELLING AND CONTROL	2013	18(1)	27-36	0,914	1,014
	Shah, Rehan Ali; Islam, S.; Siddiqui, A. M.	Exact solution of a differential equation arising in the wire coating analysis of an unsteady second grade fluid	MATHEMATICAL AND COMPUTER MODELLING	2013	57(5-6)	1284-1288	2,020	2,120
15	Marinca Vasile, Herisanu Nicolae	Comments on "A one-step optimal homotopy analysis method for nonlinear differential equations"	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	2010	15(11)	3735-3739	2,569	2,669
15,1	Wang, Chun; Niu, Zhao	Reply to "Comments on 'A one-step optimal homotopy analysis method for nonlinear differential equations'"	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	2010	15(11)	3740-3743	2,569	2,669
16	Marinca Vasile, Herisanu Nicolae	Optimal Variational Method for Truly Nonlinear Oscillators	JOURNAL OF APPLIED MATHEMATICS	2013	2013	Article Number: 620267	0,720	0,820
17	Herisanu Nicolae, Marinca Vasile	Optimal Homotopy Perturbation Method for a Non-Conservative Dynamical System of a Rotating Electrical Machine	ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A	2012	67(8-9)	509-516	0,908	1,008
17,1	Effati, S.; Nik, H. Saberi; Jajarmi, A.	Hyperchaos control of the hyperchaotic Chen system by optimal control design	NONLINEAR DYNAMICS	2013	73(1-2)	499-508	2,419	2,519
17,2	Nik, Hassan Saberi; Rebelo, Paulo; Zahedi, Moosarreza Shamsyeh	Solution of Infinite Horizon Nonlinear Optimal Control Problems by Piecewise Adomian Decomposition Method	MATHEMATICAL MODELLING AND ANALYSIS	2013	18(4)	543-560	0,538	0,638

17,3	Khan, Y.; Fardi, M.; Boroujeni, F. Hemati	Nonlinear oscillators with rational terms: A new semi-analytical technique	SCIENTIA IRANICA	2013	20(4)	1153-1160	0,842	0,942
18	Herisanu Nicolae, Marinca Vasile	An Optimal Approach to Study the Nonlinear Behaviour of a Rotating Electrical Machine	JOURNAL OF APPLIED MATHEMATICS	2012	2012	Article Number: 465023	0,720	0,820
19	Marinca Vasile, Herisanu Nicolae	Optimal Parametric Iteration Method for Solving Multispecies Lotka-Volterra Equations	DISCRETE DYNAMICS IN NATURE AND SOCIETY	2012	2012	Article Number: 842121	0,882	0,982
19,1	Ble, Gamaliel; Castellanos, Victor; Llibre, Jaume; et al	Integrability and global dynamics of the May-Leonard model	NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS	2013	14(1)	280-293	2,338	2,438
20	Marinca Vasile, Herisanu Nicolae	An Optimal Iteration Method for Strongly Nonlinear Oscillators	JOURNAL OF APPLIED MATHEMATICS	2012	2013	Article Number: 906341	0,720	0,820
21	Marinca Vasile, Herisanu Nicolae	An Optimal Homotopy Asymptotic Approach Applied to Nonlinear MHD Jeffery-Hamel Flow	MATHEMATICAL PROBLEMS IN ENGINEERING	2011	2011	Article Number: 169056	1,082	1,182
21,1	Alomari, A. K.; Anakira, N. Ratib; Bataineh, A. Sami; et al.	Approximate Solution of Nonlinear System of BVP Arising in Fluid Flow Problem	MATHEMATICAL PROBLEMS IN ENGINEERING	2013	2013	Article Number: 136043	1,082	1,182
21,2	Raja, Muhammad Asif Zahoor; Samar, Raza	Numerical treatment for nonlinear MHD Jeffery-Hamel problem using neural networks optimized with interior point algorithm	NEUROCOMPUTING	2014	124	178-193	2,005	2,105
21,3	Raja, Muhammad Asif Zahoor; Samar, Raza	Numerical treatment of nonlinear MHD Jeffery-Hamel problems using stochastic algorithms	COMPUTERS & FLUIDS	2014	91	28-46	1,532	1,632
22	Marinca Vasile, Herisanu Nicolae	The Optimal Homotopy Asymptotic Method for solving Blasius equation	APPLIED MATHEMATICS AND COMPUTATION	2014	231	134-139	1,600	1,700

22,1	Haq, Sirajul; Ishaq, Muhammad	Solution of coupled Whitham-Broer-Kaup equations using optimal homotopy asymptotic method	OCEAN ENGINEERING	2014	84	81-88	1,337	1,437
23	Herisanu N, Marinca V, Madescu Gh	An analytical approach to non-linear dynamical model of a permanent magnet synchronous generator	Wind Energy	2014	DOI: 10.1002/w e.1785	DOI: 10.1002/w e.1785	2,556	2,656
Total CDI-ART								429,58

Criteriul DID- indicator DID-MSD - Manuale suport de curs format tiparit sau format electronic

Nr. crt	Autori	Titlu	Editura	ISBN	Anul	Număr total de	Punctaj
1	Herisanu Nicolae	Fundamente de inginerie mecanica. Statica	Politehnica Timisoara	973-625-199-3	2010	244	4,88
2	Herisanu Nicolae, Marinca Vasile	Fundamente de Mecanica	manual format electronic pentru I.F.R.		2013	238	4,76
Total DID-MSD							9,64

Criteriul RIA- indicator RIA-GRA - Director sau responsabil partener grant international

Nr. crt.	Denumirea grantului	Nr. Grant	Anul	Valoare grant EURO	Finantator	Punctaj
1	Traning of trainers for implementing advanced technology of laser vibrometry and holography in Romanian educational and industrial environment	RO/2006/97064/EX ctr. nr. 345/15.02.2007	2007	15.000	Comisia Europeana-Program Leonardo da Vinci	1,5
Total RIA-GRA-international						1,5

Criteriul RIA- indicator RIA-GRA - Director sau responsabil partener grant national

Nr. crt.	Denumirea grantului	Nr. Grant	Anul	Valoare grant lei	Finantator	Punctaj
1	Dezvoltarea capacității laboratorului de acustică și vibrații în vederea implementării directivelor europene în domeniu	CEEX-1908	2006-2008	799.500	ANCS	15,99
2	Cercetări și aplicații ale dinamicii sistemelor liniare și neliniare supuse acțiunilor vibrante și vibropercutante	32940/2004, cod CNCSIS 172	2004-2005	31.000	CNCSIS	0,62
3	Aplicații ale dinamicii deplasărilor vibraționale la procese de separare	34977/2001, cod CNCSIS 917	2001-2002	8.500	CNCSIS	0,17
Total RIA-GRA-nationale						16,78

Criteriul CDI- indicator CDI-MON - Monografii de specialitate sau capitole in monografiile de specialitate

Nr. crt	Autori	Titlu	Editura	ISBN	Anul	Număr total pagini	Număr pagini contributie	Punctaj
1	Marinca Vasile, Herisanu Nicolae	Nonlinear Dynamical Systems in Engineering. Some Approximate Approaches	SPRINGER	978-3-642-22734-9	2011	395	198	19,80
Total CDI-MON								19,80

Criteriul DID- indicator DID-LAB - Standuri/laboratoare pentru activitati didactice realizate sau dezvoltate de candidat

Nr. crt.	Denumirea standului	Laborator	Punctaj
1	Stand pentru efectuarea lucrarii: Determinarea parametrilor caracteristici ai zgomotului ambiental	Laborator de Acustica si Vibratii, acreditat de RENAR cu certificat de acreditare LI747	1
2	Stand pentru efectuarea lucrarii: Determinarea expunerii la zgomot profesional a organismului uman		1
3	Stand pentru efectuarea lucrarii: Determinarea nivelului de expunere a organismului uman la vibratii transmise intregului corp		1
4	Stand pentru efectuarea lucrarii: Determinarea nivelului de expunere a organismului uman la vibratii transmise prin sistemul mana-brat		1
TOTAL DID-LAB			4

Criteriul RIA- indicator RIA-CTR - Director contract cu beneficiar din mediul economic national

Nr. crt.	Denumire contract	Nr. contract	Anul	Valoare contract lei	Beneficiar	Punctaj
1	Monitorizarea nivelului de zgomot la limita proprietății S.C. Smithfield Prod SRL Timișoara	87/2010	2010-2011	16495,71	S.C. Smithfield SRL Timisoara	1,65
2	Monitorizarea nivelului de zgomot la S.C REDOXIM SRL Timisoara	126/2010	2010-1012	6045,93	S.C. REDOXIM SRL Timisoara	0,60
3	Evaluarea si monitorizarea nivelului de zgomot generat de Bbraun Pharmaceuticals SA Timisoara cu potential de afectare a zonei rezidentiale invecinate	127/2010	2010-2012	7804,33	BBraun Pharmaceuticals SRL Timisoara	0,78
4	Efectuarea masuratorilor de zgomot la CET-uri, PT-uri si CT-uri apartinand S.C. COLTERM SA Timisoara	15/2012	2012	12387,60	S.C. COLTERM S.A. Timisoara	1,24
5	Monitorizarea nivelului de zgomot la limita proprietății S.C. Smithfield Prod SRL	101/2012	2012	6691,80	S.C. Smithfield SRL Timisoara	0,67
6	Masuratori de zgomot la CT Timisoara Centru, CET Timisoara Sud, punctele si centralele termice apartinand SC COLTERM SA	31/2013	2013	8946,60	S.C. COLTERM S.A. Timisoara	0,89
7	Planuri de actiune pentru prevenirea si reducerea zgomotului ambiant in Municipiul Timisoara	67/2013	2013	74400,00	Primaria Municipiului Timisoara	7,44
Total RIA-CTR-nationale						13,28

Criteriul RIA- indicator complementar RIA-CTR - Membru in echipa de proiect national

Nr. crt.	Denumire contract	Nr. contract	Anul	Valoare contract lei	Beneficiar	Punctaj
1	Analiza virtuală neliniară, experimentală și controlul optimal al sistemelor mecanice multicorp cu elemente elastice, cu aplicație în construcția de mașini și robotică	CEEX-61/2006	2006-2008	65.240	ANCS	0,33
2	Identificarea prin modelare și analiză experimentală a proprietăților nanocompozitelor utilizate în construcția lagărelor antifricțiune. Aplicație la sisteme giroscopice direcționale	CEEX-212	2006-2008	61.773	ANCS	0,31
3	Investigarea și reducerea zgomotului din mediul urban cu aplicație la municipiul Timișoara	2739/2006, cod CNCSIS 338	2006-2007	29.000	CNCSIS	0,15
4	Efectele neliniarităților în studiul vibrațiilor mediilor continue	27688 / 2005, cod CNCSIS 709	2005-2007	46.500	CNCSIS	0,23
Total RIA-GRA-membru echipa						1,01