

# CITATION REPORT

List of articles citing

On the homotopy analysis method for nonlinear problems

DOI: 10.1016/s0096-3003(02)00790-7

Applied Mathematics and Computation, 2004, 147, 499-513.

**Source:** <https://exaly.com/paper-pdf/36792650/citation-report.pdf>

**Version:** 2024-04-11

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

| #    | Paper  | IF  | Citations |
|------|--|-----|-----------|
| 1240 | The Vapor Phase Deposition of Fluorocarbon Films for the Prevention of In-Use Stiction in Micromirrors. <b>1998</b> , 37, 7058-7063                                      |     | 5         |
| 1239 | Solving the one-loop soliton solution of the Vakhnenko equation by means of the Homotopy analysis method. <b>2005</b> , 23, 1733-1740                                    |     | 43        |
| 1238 | A new branch of solutions of boundary-layer flows over an impermeable stretched plate. <b>2005</b> , 48, 2529-2539   |     | 368       |
| 1237 | On the analytic solutions of the nonhomogeneous Blasius problem. <b>2005</b> , 182, 362-371  |     | 84        |
| 1236 | Solving the Klein-Gordon equation by means of the homotopy analysis method. <i>Applied Mathematics and Computation</i> , <b>2005</b> , 169, 355-365                      | 2.7 | 12        |
| 1235 | An analytic approach to solve multiple solutions of a strongly nonlinear problem. <i>Applied Mathematics and Computation</i> , <b>2005</b> , 169, 854-865                | 2.7 | 82        |
| 1234 | Comparison between the homotopy analysis method and homotopy perturbation method. <i>Applied Mathematics and Computation</i> , <b>2005</b> , 169, 1186-1194              | 2.7 | 282       |
| 1233 | Solving the nonlinear periodic wave problems with the Homotopy Analysis Method. <b>2005</b> , 41, 329-337  |     | 19        |
| 1232 | Newton-like iteration methods for solving non-linear equations. <b>2005</b> , 22, 475-487  |     | 6         |
| 1231 | Solving solitary waves with discontinuity by means of the homotopy analysis method. <b>2005</b> , 26, 177-185  |     | 92        |
| 1230 | Some notes on the general boundary element method for highly nonlinear problems. <b>2005</b> , 10, 725-735   |     | 6         |
| 1229 | Analytic Series Solution for Unsteady Mixed Convection Boundary Layer Flow Near the Stagnation Point on a Vertical Surface in a Porous Medium. <b>2005</b> , 61, 365-379 |     | 48        |
| 1228 | Homotopy Solutions for a Generalized Second-Grade Fluid Past a Porous Plate. <b>2005</b> , 42, 395-405   |     | 146       |
| 1227 | Transitional vortices in wide-gap spherical annulus flow. <b>2005</b> , 2005, 2913-2932  |     | 1         |
| 1226 | Finding multiple solutions of nonlinear problems by means of the homotopy analysis method. <b>2006</b> , 18, 54-56   |     | 4         |
| 1225 | Series Solutions of Unsteady Boundary-Layer Flows over a Stretching Flat Plate. <b>2006</b> , 117, 239-263   |     | 97        |
| 1224 | An analytic solution of unsteady boundary-layer flows caused by an impulsively stretching plate. <b>2006</b> , 11, 326-339   |     | 219       |

|      |   |     |
|------|---|-----|
| 1223 | Analytic solution of generalized three-dimensional flow and heat transfer over a stretching plane wall. <b>2006</b> , 33, 1243-1252             | 28  |
| 1222 | On the analytic solution of the steady flow of a fourth grade fluid. <b>2006</b> , 355, 18-26   | 158 |
| 1221 | Series solution for the upper-convected Maxwell fluid over a porous stretching plate. <b>2006</b> , 358, 396-403                                | 177 |
| 1220 | The application of homotopy analysis method to nonlinear equations arising in heat transfer. <b>2006</b> , 360, 109-113                         | 483 |
| 1219 | Series solution of unsteady boundary layer flows of non-Newtonian fluids near a forward stagnation point. <b>2006</b> , 139, 31-43              | 60  |
| 1218 | Series solutions of unsteady MHD flows above a rotating disk. <b>2006</b> , 41, 599-609   | 18  |
| 1217 | MHD boundary-layer flow of an upper-convected Maxwell fluid in a porous channel. <b>2006</b> , 20, 229-238                                      | 133 |
| 1216 | Construction of Newton-like iteration methods for solving nonlinear equations. <b>2006</b> , 104, 297-315                                       | 67  |
| 1215 | On the explicit, purely analytic solution of Von Kármán swirling viscous flow. <b>2006</b> , 11, 83-93  | 73  |
| 1214 | Series solutions for a nonlinear model of combined convective and radiative cooling of a spherical body. <b>2006</b> , 49, 2437-2445            | 66  |
| 1213 | Unsteady boundary layer flow due to an impulsively started moving plate. <b>2007</b> , 221, 385-390   | 9   |
| 1212 | Series Solution of Three-Dimensional Unsteady Laminar Viscous Flow Due to a Stretching Surface in a Rotating Fluid. <b>2007</b> , 74, 1011-1018 | 19  |
| 1211 | On the Analytic Solution of Magnetohydrodynamic Flow of a Second Grade Fluid Over a Shrinking Sheet. <b>2007</b> , 74, 1165-1171                | 96  |
| 1210 | Decentralized robust H <sub>∞</sub> output feedback control for value bounded uncertain large-scale interconnected systems. <b>2007</b> ,       |     |
| 1209 | Explicit series solution for the Glauert-jet problem by means of the homotopy analysis method. <b>2007</b> , 12, 714-724                        | 36  |
| 1208 | A note on series solution for generalized Couette flow. <b>2007</b> , 12, 1481-1487   | 28  |
| 1207 | On the MHD flow of a second grade fluid in a porous channel. <b>2007</b> , 54, 407-414  | 87  |
| 1206 | Axisymmetric flow due to a stretching sheet with partial slip. <b>2007</b> , 54, 1169-1183  | 72  |

|      |   |     |     |
|------|---|-----|-----|
| 1205 | Explicit series solution of travelling waves with a front of Fisher equation. <b>2007</b> , 31, 462-472   |     | 44  |
| 1204 | High order iterative methods without derivatives for solving nonlinear equations. <i>Applied Mathematics and Computation</i> , <b>2007</b> , 186, 1617-1623                   | 2.7 | 20  |
| 1203 | Non-similar series solution for boundary layer flow of a third-order fluid over a stretching sheet. <i>Applied Mathematics and Computation</i> , <b>2007</b> , 189, 1576-1585 | 2.7 | 32  |
| 1202 | Analytical solution for the steady flow of the third grade fluid in a porous half space. <b>2007</b> , 31, 2424-2432  |     | 45  |
| 1201 | Homotopy analysis method for heat radiation equations. <b>2007</b> , 34, 380-387  |     | 176 |
| 1200 | Homotopy analysis of MHD boundary layer flow of an upper-convected Maxwell fluid. <b>2007</b> , 45, 393-401   |     | 87  |
| 1199 | Wire coating analysis using MHD Oldroyd 8-constant fluid. <b>2007</b> , 45, 381-392   |     | 65  |
| 1198 | The influence of thermal radiation on MHD flow of a second grade fluid. <b>2007</b> , 50, 931-941   |     | 115 |
| 1197 | Series solutions of unsteady three-dimensional MHD flow and heat transfer in the boundary layer over an impulsively stretching plate. <b>2007</b> , 26, 15-27                 |     | 88  |
| 1196 | A new branch of solutions of boundary-layer flows over a permeable stretching plate. <b>2007</b> , 42, 819-830  |     | 98  |
| 1195 | On analytic solution for thin film flow of a fourth grade fluid down a vertical cylinder. <b>2007</b> , 361, 316-322  |     | 215 |
| 1194 | The application of homotopy analysis method to solve a generalized Hirota-Batsuma coupled KdV equation. <b>2007</b> , 361, 478-483  |     | 217 |
| 1193 | On exact solution of Laplace equation with Dirichlet and Neumann boundary conditions by the homotopy analysis method. <b>2007</b> , 365, 412-415                              |     | 47  |
| 1192 | Application of homotopy analysis method to fractional KdV-Burgers-Kuramoto equation. <b>2007</b> , 367, 88-94   |     | 113 |
| 1191 | Applying homotopy analysis method for solving differential-difference equation. <b>2007</b> , 369, 77-84  |     | 48  |
| 1190 | He's variational iteration method for solving a semi-linear inverse parabolic equation. <b>2007</b> , 370, 275-280  |     | 17  |
| 1189 | On analytic solution for generalized three-dimensional MHD flow over a porous stretching sheet. <b>2007</b> , 370, 243-250  |     | 55  |
| 1188 | A General Approach to Obtain Series Solutions of Nonlinear Differential Equations. <b>2007</b> , 119, 297-354   |     | 321 |

|      |   |     |
|------|---|-----|
| 1187 | Rotating flow of a third grade fluid in a porous space with Hall current. <b>2007</b> , 49, 83-91   | 40  |
| 1186 | MHD rotating flow of a viscous fluid over a shrinking surface. <b>2007</b> , 51, 259-265  | 63  |
| 1185 | Analytic homotopy solution of generalized three-dimensional channel flow due to uniform stretching of the plate. <b>2007</b> , 23, 503-510              | 26  |
| 1184 | A Series Solution of the Unsteady Von Kármán Swirling Viscous Flows. <b>2007</b> , 94, 215-231  | 13  |
| 1183 | Non-similar solution for the axisymmetric flow of a third-grade fluid over a radially stretching sheet. <b>2007</b> , 189, 193-205                      | 43  |
| 1182 | Analytic solution for rotating flow and heat transfer analysis of a third-grade fluid. <b>2007</b> , 191, 219-229                                       | 47  |
| 1181 | Analytic solution for axisymmetric flow and heat transfer of a second grade fluid past a stretching sheet. <b>2007</b> , 50, 75-84                      | 161 |
| 1180 | Non-similar analytic solution for MHD flow and heat transfer in a third-order fluid over a stretching sheet. <b>2007</b> , 50, 1723-1736                | 85  |
| 1179 | Approximate explicit solutions of nonlinear BBMB equations by homotopy analysis method and comparison with the exact solution. <b>2007</b> , 368, 64-68 | 58  |
| 1178 | Solving the discrete KdV equation with homotopy analysis method. <b>2007</b> , 370, 287-294   | 26  |
| 1177 | Solutions of time-dependent Emden-Fowler type equations by homotopy analysis method. <b>2007</b> , 371, 72-82   | 76  |
| 1176 | Sub-harmonic resonances of nonlinear oscillations with parametric excitation by means of the homotopy analysis method. <b>2007</b> , 371, 427-431       | 13  |
| 1175 | Generalizing homotopy analysis method to solve Lotka-Volterra equation. <b>2008</b> , 56, 2289-2293   | 14  |
| 1174 | The influence of slip condition on thin film flow of a fourth grade fluid by the homotopy analysis method. <b>2008</b> , 56, 2019-2026                  | 40  |
| 1173 | Homotopy analysis of unsteady boundary layer flow adjacent to permeable stretching surface in a porous medium. <b>2008</b> , 13, 340-349                | 58  |
| 1172 | Homotopy analysis method for quadratic Riccati differential equation. <b>2008</b> , 13, 539-546   | 186 |
| 1171 | On explicit analytic solution for MHD pipe flow of a fourth grade fluid. <b>2008</b> , 13, 745-751  | 30  |
| 1170 | Assessment of homotopy analysis method and homotopy perturbation method in non-linear heat transfer equation. <b>2008</b> , 35, 93-102                  | 59  |

|      |   |     |
|------|---|-----|
| 1169 | Heat transfer analysis of the steady flow of a fourth grade fluid. <b>2008</b> , 47, 591-599  | 25  |
| 1168 | On numerical solution of Burgers' equation by homotopy analysis method. <b>2008</b> , 372, 356-360  | 26  |
| 1167 | Approximate solutions of singular two-point BVPs by modified homotopy analysis method. <b>2008</b> , 372, 4062-4066   | 33  |
| 1166 | Assessment of two analytical approaches in some nonlinear problems arising in engineering sciences. <b>2008</b> , 372, 4399-4406  | 18  |
| 1165 | Thin film flow of an unsteady shrinking sheet through porous medium with variable viscosity. <b>2008</b> , 372, 4965-4972   | 53  |
| 1164 | Analytic solution for flow of Sisko fluid through a porous medium. <b>2008</b> , 71, 23-37  | 45  |
| 1163 | Series solution for steady flow of a third grade fluid through porous space. <b>2008</b> , 71, 173-183  | 11  |
| 1162 | Channel flow of a Maxwell fluid with chemical reaction. <b>2008</b> , 59, 124-144   | 33  |
| 1161 | A new branch of the temperature distribution of boundary-layer flows over an impermeable stretching plate. <b>2008</b> , 44, 501-504                                    | 7   |
| 1160 | Unsteady three-dimensional MHD boundary-layer flow due to the impulsive motion of a stretching surface (Acta Mech. 146, 59-71, 2001). <b>2008</b> , 199, 241-249        | 14  |
| 1159 | Modified Camassa-Holm and Degasperis-Procesi Equations Solved by Adomian's Decomposition Method and Comparison with HPM and Exact Solutions. <b>2008</b> , 104, 303-311 | 8   |
| 1158 | An Approximation of the Analytical Solution of the Linear and Nonlinear Integro-Differential Equations by Homotopy Perturbation Method. <b>2008</b> , 104, 355-366      | 16  |
| 1157 | A new modification of false position method based on homotopy analysis method. <b>2008</b> , 29, 223-228  | 5   |
| 1156 | Analytic solution for axisymmetric flow over a nonlinearly stretching sheet. <b>2008</b> , 78, 127-134  | 27  |
| 1155 | Jacobi elliptic function solutions of the (1 + 1)-dimensional dispersive long wave equation by Homotopy Perturbation Method. <b>2008</b> , 24, 1361-1370                | 10  |
| 1154 | Explicit solution to the exact Riemann problem and application in nonlinear shallow-water equations. <b>2008</b> , 57, 1649-1668  | 39  |
| 1153 | The homotopy analysis method for Cauchy reaction-diffusion problems. <b>2008</b> , 372, 613-618   | 52  |
| 1152 | Mixed convection flow of a micropolar fluid over a non-linearly stretching sheet. <b>2008</b> , 372, 637-647  | 103 |

|      |   |     |    |
|------|---|-----|----|
| 1151 | Heat and mass transfer analysis on the flow of a second grade fluid in the presence of chemical reaction. <b>2008</b> , 372, 2400-2408                                      |     | 56 |
| 1150 | Wire coating by withdrawal from a bath of fourth order fluid. <b>2008</b> , 372, 2665-2670  |     | 9  |
| 1149 | Analytic solution for MHD rotating flow of a second grade fluid over a shrinking surface. <b>2008</b> , 372, 3264-3273  |     | 86 |
| 1148 | Magnetohydrodynamic flow of a viscoelastic fluid. <b>2008</b> , 372, 3380-3384  |     | 21 |
| 1147 | The application of homotopy analysis method for 2-dimensional steady slip flow in microchannels. <b>2008</b> , 372, 3223-3227   |     | 40 |
| 1146 | Analytic and numerical solutions to the Lane-Emden equation. <b>2008</b> , 372, 6060-6065   |     | 88 |
| 1145 | Application of homotopy analysis method for fin efficiency of convective straight fins with temperature-dependent thermal conductivity. <b>2008</b> , 79, 189-200           |     | 33 |
| 1144 | Unsteady flow of a second grade fluid film over an unsteady stretching sheet. <b>2008</b> , 48, 518-526   |     | 67 |
| 1143 | On the analytic solution of nonlinear flow problem involving Oldroyd 8-constant fluid. <b>2008</b> , 48, 1191-1200  |     | 20 |
| 1142 | Series solutions of nano boundary layer flows by means of the homotopy analysis method. <b>2008</b> , 343, 233-245  |     | 89 |
| 1141 | Wire coating analysis by withdrawal from a bath of Sisko fluid. <i>Applied Mathematics and Computation</i> , <b>2008</b> , 199, 13-22                                       | 2.7 | 19 |
| 1140 | Homotopy analysis method for the sine-Gordon equation with initial conditions. <i>Applied Mathematics and Computation</i> , <b>2008</b> , 203, 387-395                      | 2.7 | 20 |
| 1139 | Homotopy analysis method for limit cycle flutter of airfoils. <i>Applied Mathematics and Computation</i> , <b>2008</b> , 203, 854-863                                       | 2.7 | 31 |
| 1138 | Compact structures in a class of nonlinearly dispersive equations with time-fractional derivatives. <i>Applied Mathematics and Computation</i> , <b>2008</b> , 205, 273-280 | 2.7 | 8  |
| 1137 | Heat transfer analysis of unsteady boundary layer flow by homotopy analysis method. <b>2008</b> , 13, 902-912   |     | 47 |
| 1136 | Solving systems of ODEs by homotopy analysis method. <b>2008</b> , 13, 2060-2070  |     | 59 |
| 1135 | Series solution for unsteady axisymmetric flow and heat transfer over a radially stretching sheet. <b>2008</b> , 13, 2193-2202  |     | 48 |
| 1134 | An explicit solution of the large deformation of a cantilever beam under point load at the free tip. <b>2008</b> , 212, 320-330   |     | 73 |

|      |  |    |
|------|--|----|
| 1133 | Approximate analytical solutions of systems of PDEs by homotopy analysis method. <b>2008</b> , 55, 2913-2923   | 39 |
| 1132 | Unsteady axisymmetric flow of a second-grade fluid over a radially stretching sheet. <b>2008</b> , 56, 1351-1357                                     | 33 |
| 1131 | Modified rational Legendre approach to laminar viscous flow over a semi-infinite flat plate. <b>2008</b> , 35, 59-66                                 | 28 |
| 1130 | Heat transfer analysis on the MHD flow of a second grade fluid in a channel with porous medium. <b>2008</b> , 38, 556-567                            | 54 |
| 1129 | Three-dimensional flow over a stretching surface in a viscoelastic fluid. <b>2008</b> , 9, 1811-1822   | 73 |
| 1128 | Comparison of HAM and HPM methods in nonlinear heat conduction and convection equations. <b>2008</b> , 9, 2296-2301                                  | 86 |
| 1127 | Radiation effects on MHD flow in a porous space. <b>2008</b> , 51, 1024-1033   | 50 |
| 1126 | Mixed convection in the stagnation point flow adjacent to a vertical surface in a viscoelastic fluid. <b>2008</b> , 51, 3200-3206                    | 39 |
| 1125 | Slip flow and heat transfer of a second grade fluid past a stretching sheet through a porous space. <b>2008</b> , 51, 4528-4534                      | 83 |
| 1124 | Validation of Navier-Stokes equations for slip flow analysis within transition region. <b>2008</b> , 51, 6323-6327                                   | 27 |
| 1123 | Approximate Traveling Wave Solutions of Coupled Whitham-Broer-Kaup Shallow Water Equations by Homotopy Analysis Method. <b>2008</b> , 2008, 1-8      | 9  |
| 1122 | Series Solution of the Multispecies Lotka-Volterra Equations by Means of the Homotopy Analysis Method. <b>2008</b> , 2008, 1-14                      | 3  |
| 1121 | Application of Homotopy Perturbation Method to Deformable Channel with Wall Suction and Injection in a Porous Medium. <b>2008</b> , 9,               | 12 |
| 1120 | An Explicit Analytic Solution of Steady Three-Dimensional Stagnation Point Flow of Second Grade Fluid Toward a Heated Plate. <b>2008</b> , 75,       | 11 |
| 1119 | Analytic Solution of Three-Dimensional Viscous Flow and Heat Transfer Over a Stretching Flat Surface by Homotopy Analysis Method. <b>2008</b> , 130, | 47 |
| 1118 | Some New Exact Solutions of Jacobian Elliptic Function of Petviashvili Equation. <b>2008</b> , 49, 1557-1560   | 3  |
| 1117 | Solitary Solution of Discrete mKdV Equation by Homotopy Analysis Method. <b>2008</b> , 49, 1373-1378   | 8  |
| 1116 | Collisions of optical ultra-short vector pulses. <b>2008</b> , 41, 285204  | 13 |



|      |  |    |
|------|--|----|
| 1115 | Comparison Homotopy Analysis Method and Variational Iteration Method for KdV Equation. <b>2008</b> ,   |    |
| 1114 | Analytic Solution of Multipantograph Equation. <b>2008</b> , 2008, 1-10  | 4  |
| 1113 | Analytic Approximate Solutions for Unsteady Two-Dimensional and Axisymmetric Squeezing Flows between Parallel Plates. <b>2008</b> , 2008, 1-13 | 83 |
| 1112 | On a New Reliable Algorithm. <b>2009</b> , 2009, 1-13  |    |
| 1111 | A New Approach for the Solution of the Electrostatic Potential Differential Equations. <b>2009</b> , 2009, 1-11                                | 1  |
| 1110 | Approximate Homotopy Direct Reduction Method: Infinite Series Reductions to Perturbed mKdV Equations. <b>2009</b> , 26, 040202                 | 9  |
| 1109 | Direct Solution of nth-Order IVPs by Homotopy Analysis Method. <b>2009</b> , 2009, 1-15  | 8  |
| 1108 | An analytic approximation of wire coating analysis for third-grade magneto-hydrodynamic flow. <b>2009</b> , 223, 2273-2280                     | 2  |
| 1107 | Periodic Solutions for Multi-Degree-of-Freedom Nonlinear Dynamical System Solved by the Extended Homotopy Analysis Method. <b>2009</b> ,       |    |
| 1106 | Periodic Solutions for Coupled Van Der Pol Oscillators of Two-Degree-of-Freedom Solved by Homotopy Analysis Method. <b>2009</b> ,              |    |
| 1105 | Application of the homotopy method for analytical solution of non-Newtonian channel flows. <b>2009</b> , 79, 065009                            | 3  |
| 1104 | An application of a homotopy analysis method to nonlinear composites. <b>2009</b> , 42, 125205   | 6  |
| 1103 | Nonsensitive Homotopy-Padé Approach: Anharmonic Oscillators. <b>2009</b> , 52, 214-220   |    |
| 1102 | Nonsensitive Nonlinear Homotopy Approach. <b>2009</b> , 26, 110201   |    |
| 1101 | Homotopy Analysis for Stagnation Slip Flow and Heat Transfer on a Moving Plate. <b>2009</b> , 131,   | 5  |
| 1100 | Analytical study of natural convection in high Prandtl number. <b>2009</b> , 50, 1056-1061   | 5  |
| 1099 | Analytical treatment on magnetohydrodynamic (MHD) flow and heat transfer due to a stretching hollow cylinder. <b>2009</b> , 63, n/a-n/a        | 7  |
| 1098 | Effect of heat transfer on the flow of a second-grade fluid in divergent/convergent channel. <b>2009</b> , 64, n/a-n/a                         | 2  |

|      |  |     |
|------|--|-----|
| 1097 | The homotopy analysis method for explicit analytical solutions of Jaulent-Miodek equations. <b>2009</b> , 25, 430-439  | 35  |
| 1096 | Exact solutions for nonlinear Burgers' equation by homotopy perturbation method. <b>2009</b> , 25, 833-842   | 13  |
| 1095 | On comparison of the solutions for an axisymmetric flow. <b>2009</b> , 25, 1204-1211   | 5   |
| 1094 | Momentum and heat transfer over a continuously moving surface with a parallel free stream in a viscoelastic fluid. <b>2009</b> , 26, NA-NA                                   | 1   |
| 1093 | Numerical study of homotopy-perturbation method applied to Burgers equation in fluid. <b>2009</b> , 26, NA-NA  | 4   |
| 1092 | Improving convergence of incremental harmonic balance method using homotopy analysis method. <b>2009</b> , 25, 707-712   | 8   |
| 1091 | Series Solutions of Systems of Nonlinear Fractional Differential Equations. <b>2009</b> , 105, 189-198   | 26  |
| 1090 | An Analytical Study of Boundary Layer Flows on a Continuous Stretching Surface. <b>2009</b> , 106, 125-133   | 7   |
| 1089 | Solution of Delay Differential Equation by Means of Homotopy Analysis Method. <b>2009</b> , 108, 395-412   | 32  |
| 1088 | A series solution of the foam drainage equation. <b>2009</b> , 58, 360-368   | 18  |
| 1087 | Unsteady flow and heat transfer of a second grade fluid over a stretching sheet. <b>2009</b> , 14, 96-108  | 67  |
| 1086 | Comparison of homotopy analysis method and homotopy-perturbation method for purely nonlinear fin-type problems. <b>2009</b> , 14, 371-378                                    | 67  |
| 1085 | MHD flows of UCM fluids above porous stretching sheets using two-auxiliary-parameter homotopy analysis method. <b>2009</b> , 14, 473-488                                     | 46  |
| 1084 | Homotopy analysis method for fractional IVPs. <b>2009</b> , 14, 674-684  | 290 |
| 1083 | Solution of the laminar viscous flow in a semi-porous channel in the presence of a uniform magnetic field by using the homotopy analysis method. <b>2009</b> , 14, 1284-1294 | 72  |
| 1082 | Homotopy analysis method for singular IVPs of Emden-Fowler type. <b>2009</b> , 14, 1121-1131   | 84  |
| 1081 | Notes on the homotopy analysis method: Some definitions and theorems. <b>2009</b> , 14, 983-997  | 558 |
| 1080 | Adaptation of homotopy analysis method for the numeric-analytic solution of Chen system. <b>2009</b> , 14, 2336-2346   | 36  |

|      |  |     |
|------|--|-----|
| 1079 | A study of homotopy analysis method for limit cycle of van der Pol equation. <b>2009</b> , 14, 1816-1821   | 40  |
| 1078 | A series solution of the fin problem with a temperature-dependent thermal conductivity. <b>2009</b> , 14, 3007-3017  | 46  |
| 1077 | Analytical solution of non-Newtonian micropolar fluid flow with uniform suction/blowing and heat generation. <b>2009</b> , 40, 443-451   | 32  |
| 1076 | On the large amplitude free vibrations of tapered beams: an analytical approach. <b>2009</b> , 36, 892-897   | 23  |
| 1075 | Partial slip effects on the flow and heat transfer characteristics in a third grade fluid. <b>2009</b> , 10, 745-755   | 19  |
| 1074 | Purely analytic approximate solutions for steady three-dimensional problem of condensation film on inclined rotating disk by homotopy analysis method. <b>2009</b> , 10, 2346-2356 | 63  |
| 1073 | New analytical method for solving Burgers' and nonlinear heat transfer equations and comparison with HAM. <b>2009</b> , 180, 1539-1544   | 75  |
| 1072 | Solution of coupled system of nonlinear differential equations using homotopy analysis method. <b>2009</b> , 56, 159-167   | 14  |
| 1071 | Comparison between the homotopy analysis method and homotopy perturbation method to solve coupled Schrodinger-KdV equation. <b>2009</b> , 31, 1-12                                 | 14  |
| 1070 | Approximate homotopy symmetry method: Homotopy series solutions to the sixth-order Boussinesq equation. <b>2009</b> , 52, 1169-1178  | 11  |
| 1069 | On the interaction of deep water waves and exponential shear currents. <b>2009</b> , 60, 450-478   | 19  |
| 1068 | Solution Of The Enso Delayed Oscillator with Homotopy Analysis Method. <b>2009</b> , 21, 131-135   | 4   |
| 1067 | The homotopy analysis method to solve the Burgers-Huxley equation. <b>2009</b> , 10, 589-600   | 97  |
| 1066 | MHD flow of a micropolar fluid near a stagnation-point towards a non-linear stretching surface. <b>2009</b> , 10, 1514-1526  | 108 |
| 1065 | The application of homotopy analysis method for MHD viscous flow due to a shrinking sheet. <b>2009</b> , 39, 1317-1323   | 84  |
| 1064 | Three-dimensional rotating flow induced by a shrinking sheet for suction. <b>2009</b> , 39, 1615-1626  | 36  |
| 1063 | Comparison of HAM and HPM solutions in heat radiation equations. <b>2009</b> , 36, 59-62   | 21  |
| 1062 | Homotopy solution for nonlinear differential equations in wave propagation problems. <b>2009</b> , 46, 1-14  | 20  |

|      |   |     |
|------|---|-----|
| 1061 | Uniformly valid solution of limit cycle of the Duffing-Van der Pol equation. <b>2009</b> , 36, 845-850  | 19  |
| 1060 | Generalized differential transform method to differential-difference equation. <b>2009</b> , 373, 4142-4151   | 17  |
| 1059 | Analytical solution of the stagnation-point flow in a porous medium by using the homotopy analysis method. <b>2009</b> , 40, 91-97                              | 36  |
| 1058 | MHD stagnation-point flow of an upper-convected Maxwell fluid over a stretching surface. <b>2009</b> , 39, 840-848  | 108 |
| 1057 | The homotopy analysis method for approximating the solution of the modified Korteweg-de Vries equation. <b>2009</b> , 39, 1-8                                   | 15  |
| 1056 | Series solutions of non-linear Riccati differential equations with fractional order. <b>2009</b> , 40, 1-9  | 93  |
| 1055 | A new method for homoclinic solutions of ordinary differential equations. <b>2009</b> , 39, 1073-1082   | 10  |
| 1054 | Solving the fractional BBM-Burgers equation using the homotopy analysis method. <b>2009</b> , 40, 1616-1622   | 47  |
| 1053 | Analytic approximations for the one-loop soliton solution of the Vakhnenko equation. <b>2009</b> , 40, 2257-2264  | 2   |
| 1052 | On the homotopy analysis method for the exact solutions of Helmholtz equation. <b>2009</b> , 41, 1873-1879  | 7   |
| 1051 | Solving system of DAEs by homotopy analysis method. <b>2009</b> , 42, 1422-1427   | 11  |
| 1050 | Solutions of the SIR models of epidemics using HAM. <b>2009</b> , 42, 3047-3052   | 36  |
| 1049 | The application of homotopy analysis method to solve nonlinear differential equation governing Jeffery-Hamel flow. <b>2009</b> , 14, 85-95                      | 70  |
| 1048 | An explicit series solution of the squeezing flow between two infinite plates by means of the homotopy analysis method. <b>2009</b> , 14, 119-132               | 31  |
| 1047 | Homotopy analysis method to determine the fin efficiency of convective straight fins with temperature-dependent thermal conductivity. <b>2009</b> , 14, 489-499 | 125 |
| 1046 | Modified homotopy analysis method for solving systems of second-order BVPs. <b>2009</b> , 14, 430-442   | 61  |
| 1045 | Approximate solutions for the Burger and regularized long wave equations by means of the homotopy analysis method. <b>2009</b> , 14, 708-717                    | 114 |
| 1044 | On a new reliable modification of homotopy analysis method. <b>2009</b> , 14, 409-423   | 67  |

|      |  |     |     |
|------|--|-----|-----|
| 1043 | The influence of thermal radiation on MHD flow of Maxwellian fluids above stretching sheets. <b>2009</b> , 14, 779-794   |     | 79  |
| 1042 | Explicit series solutions of some linear and nonlinear Schrodinger equations via the homotopy analysis method. <b>2009</b> , 14, 1196-1207   |     | 47  |
| 1041 | Homotopy analysis method for solving linear and nonlinear fractional diffusion-wave equation. <b>2009</b> , 14, 2006-2012  |     | 107 |
| 1040 | Analytical solutions for pipe flow of a fourth grade fluid with Reynold and Vogel's models of viscosities. <b>2009</b> , 14, 2073-2090   |     | 37  |
| 1039 | Analytic approximate solutions to Burgers, Fisher, Huxley equations and two combined forms of these equations. <b>2009</b> , 14, 1984-1992   |     | 31  |
| 1038 | Homotopy analysis solution of free convection flow on a horizontal impermeable surface embedded in a saturated porous medium. <b>2009</b> , 14, 3833-3843  |     | 7   |
| 1037 | Analytic solution of natural convection flow of a non-Newtonian fluid between two vertical flat plates using homotopy analysis method. <b>2009</b> , 14, 1868-1880   |     | 53  |
| 1036 | Analytical solutions and efficiency of the nonlinear fin problem with temperature-dependent thermal conductivity and heat transfer coefficient. <b>2009</b> , 14, 3327-3338  |     | 90  |
| 1035 | Analytic solution for heat transfer of a third grade viscoelastic fluid in non-Darcy porous media with thermophysical effects. <b>2009</b> , 14, 3867-3878   |     | 23  |
| 1034 | On the selection of auxiliary functions, operators, and convergence control parameters in the application of the Homotopy Analysis Method to nonlinear differential equations: A general approach. <b>2009</b> , 14, 4078-4089 |     | 118 |
| 1033 | Implicit differential equation arising in the steady flow of a Sisko fluid. <i>Applied Mathematics and Computation</i> , <b>2009</b> , 210, 189-196  | 2.7 | 39  |
| 1032 | The explicit series solution of SIR and SIS epidemic models. <i>Applied Mathematics and Computation</i> , <b>2009</b> , 215, 653-669   | 2.7 | 52  |
| 1031 | Heat transfer in unsteady axisymmetric second grade fluid. <i>Applied Mathematics and Computation</i> , <b>2009</b> , 215, 1685-1695   | 2.7 | 14  |
| 1030 | Adomian's decomposition method and homotopy perturbation method in solving nonlinear equations. <b>2009</b> , 228, 168-173   |     | 25  |
| 1029 | The effect of thermal radiation on the flow of a second grade fluid. <b>2009</b> , 58, 369-379   |     | 39  |
| 1028 | Homotopy analysis for boundary layer flow of a micropolar fluid through a porous channel. <b>2009</b> , 33, 4120-4125  |     | 38  |
| 1027 | A reliable treatment of the homotopy analysis method for viscous flow over a non-linearly stretching sheet in presence of a chemical reaction and under influence of a magnetic field. <b>2009</b> , 7,                        |     | 10  |
| 1026 | Analytical approximate solutions for two-dimensional viscous flow through expanding or contracting gaps with permeable walls. <b>2009</b> , 7,   |     | 8   |

|      |  |     |
|------|--|-----|
| 1025 | APPLICATION OF He's VARIATIONAL ITERATION METHOD AND ADOMIAN'S DECOMPOSITION METHOD TO PROCHHAMMER THREE EQUATION. <b>2009</b> , 23, 435-446                           | 10  |
| 1024 | Encyclopedia of Complexity and Systems Science. <b>2009</b> , 5161-5176  | 1   |
| 1023 | Homotopy Analysis Method for Multi-Degree-of-Freedom Nonlinear Dynamical Systems. <b>2010</b> ,  |     |
| 1022 | Series solution of unsteady free convection flow with mass transfer along an accelerated vertical porous plate with suction. <b>2010</b> , 8,                          | 5   |
| 1021 | Homotopy analysis of unsteady heat transfer started impulsively from rest along a symmetric wedge. <b>2010</b> , 37, 47-51   | 8   |
| 1020 | Effects of radiation and magnetic field on the mixed convection stagnation-point flow over a vertical stretching sheet in a porous medium. <b>2010</b> , 53, 466-474   | 124 |
| 1019 | Solution of nonlinear fractional differential equations using homotopy analysis method. <b>2010</b> , 34, 1634-1641  | 49  |
| 1018 | Solution of the Jeffery-Hamel flow problem by optimal homotopy asymptotic method. <b>2010</b> , 59, 3405-3411  | 63  |
| 1017 | Solving the inverse problem of identifying an unknown source term in a parabolic equation. <b>2010</b> , 60, 1209-1213   | 19  |
| 1016 | An efficient method for quadratic Riccati differential equation. <b>2010</b> , 15, 835-839   | 51  |
| 1015 | Nano boundary layers over stretching surfaces. <b>2010</b> , 15, 1494-1500   | 82  |
| 1014 | Effects of thermal radiation and space porosity on MHD mixed convection flow in a vertical channel using homotopy analysis method. <b>2010</b> , 15, 2098-2108         | 51  |
| 1013 | Series solution for MHD channel flow of a Jeffery fluid. <b>2010</b> , 15, 2400-2406   | 43  |
| 1012 | Homotopy Analysis Method for the heat transfer of a non-Newtonian fluid flow in an axisymmetric channel with a porous wall. <b>2010</b> , 15, 2424-2430                | 13  |
| 1011 | The essence of the generalized Newton binomial theorem. <b>2010</b> , 15, 2766-2768  | 22  |
| 1010 | A weighted algorithm based on the homotopy analysis method: Application to inverse heat conduction problems. <b>2010</b> , 15, 2908-2915                               | 16  |
| 1009 | Accurate approximate analytical solutions for multi-degree-of-freedom coupled van der Pol-Duffing oscillators by homotopy analysis method. <b>2010</b> , 15, 3113-3130 | 17  |
| 1008 | Three analytical methods applied to Jeffery-Hamel flow. <b>2010</b> , 15, 3423-3434  | 52  |

|      |  |     |
|------|--|-----|
| 1007 | Approximate rational Jacobi elliptic function solutions of the fractional differential equations via the enhanced Adomian decomposition method. <b>2010</b> , 374, 3190-3196 | 8   |
| 1006 | Analytical solution of flow and diffusion of chemically reactive species over a nonlinearly stretching sheet immersed in a porous medium. <b>2010</b> , 41, 22-28            | 45  |
| 1005 | Analytical solution of heat transfer over an unsteady stretching permeable surface with prescribed wall temperature. <b>2010</b> , 41, 169-177                               | 23  |
| 1004 | On explicit, purely analytic solutions of off-centered stagnation flow towards a rotating disc by means of HAM. <b>2010</b> , 11, 3389-3398                                  | 24  |
| 1003 | Effects of slip condition on MHD stagnation-point flow over a power-law stretching sheet. <b>2010</b> , 31, 439-448  | 40  |
| 1002 | Analytic solution to the micropolar-fluid flow through a semi-porous channel with an expanding or contracting wall. <b>2010</b> , 31, 1073-1080                              | 10  |
| 1001 | Decentralized robust H <sub>2</sub> output feedback control for value bounded uncertain large-scale interconnected systems. <b>2010</b> , 8, 16-28                           | 9   |
| 1000 | On convergence of homotopy analysis method and its modification for fractional modified KdV equations. <b>2010</b> , 33, 61-81   | 8   |
| 999  | Homotopy Analysis Method to Walter-B fluid in a vertical channel with porous wall. <b>2010</b> , 45, 857-868   | 21  |
| 998  | MHD stagnation flow of a micropolar fluid through a porous medium. <b>2010</b> , 45, 869-880   | 52  |
| 997  | Two-parameter homotopy method for nonlinear equations. <b>2010</b> , 53, 555-572   | 9   |
| 996  | On new iterative method for solving systems of nonlinear equations. <b>2010</b> , 54, 395-409  | 37  |
| 995  | An approximation of the analytic solution of some nonlinear heat transfer in fin and 3D diffusion equations using HAM. <b>2010</b> , 26, 1-13                                | 6   |
| 994  | The influence of Hall current and heat transfer on the flow of a fourth grade fluid. <b>2010</b> , 26, 501-518   | 3   |
| 993  | Solving nonlinear fractional partial differential equations using the homotopy analysis method. <b>2010</b> , 26, 448-479  | 433 |
| 992  | The homotopy analysis method to solve the modified equal width wave equation. <b>2010</b> , 26, 1434-1442  | 2   |
| 991  | Analytic approximate solution of three-dimensional Navier-Stokes equations of flow between two stretchable disks. <b>2010</b> , 26, 1594-1607                                | 2   |
| 990  | Homotopy analysis of heat and mass transfer boundary layer flow through a non-porous channel with chemical reaction and heat generation. <b>2010</b> , 88, 975-982           | 9   |

|     |   |        |
|-----|---|--------|
| 989 | A model of steady viscous flow of a micropolar fluid driven by injection or suction between a porous disk and a non-porous disk using a novel numerical technique. <b>2010</b> , 88, 991-1002 | 5      |
| 988 | The homotopy analysis method for handling systems of fractional differential equations. <b>2010</b> , 34, 24-35   | 80     |
| 987 | A reliable algorithm of homotopy analysis method for solving nonlinear fractional differential equations. <b>2010</b> , 34, 593-600   | 88     |
| 986 | Exact solitary-wave solutions for the nonlinear dispersive K(2,2,1) and K(3,3,1) equations. <b>2010</b> , 22, 269-274   | 1      |
| 985 | Hydromagnetic stagnation point flow of a second grade fluid over a stretching sheet. <b>2010</b> , 37, 113-118  | 16     |
| 984 | A reliable treatment of a homotopy analysis method for two-dimensional viscous flow in a rectangular domain bounded by two moving porous walls. <b>2010</b> , 11, 1502-1512                   | 56     |
| 983 | Analytical treatment of MHD free convective flow and mass transfer over a stretching sheet with chemical reaction. <b>2010</b> , 41, 35-43  | 29     |
| 982 | Analytic solutions to diffusion equations. <b>2010</b> , 51, 649-657  | 3      |
| 981 | Analytical solutions for MHD flow in a third-grade fluid with variable viscosity. <b>2010</b> , 52, 1783-1793   | 122    |
| 980 | Differential transform method for solving solitary wave with discontinuity. <b>2010</b> , 374, 3451-3454  | 12     |
| 979 | Transient MHD stagnation flow of a non-Newtonian fluid due to impulsive motion from rest. <b>2010</b> , 45, 463-473   | 13     |
| 978 | Series solutions for unsteady laminar MHD flow near forward stagnation point of an impulsively rotating and translating sphere in presence of buoyancy forces. <b>2010</b> , 11, 1159-1169    | 44     |
| 977 | A study on the PDEs with power-law nonlinearity. <b>2010</b> , 11, 1258-1268  | 5      |
| 976 | The essence of the homotopy analysis method. <i>Applied Mathematics and Computation</i> , <b>2010</b> , 216, 1299-1303  | 34     |
| 975 | Analytical solutions of a coupled nonlinear system arising in a flow between stretching disks. <i>Applied Mathematics and Computation</i> , <b>2010</b> , 216, 1513-1523                      | 2.7 27 |
| 974 | Analytical solutions to a generalized Drinfeld-Sokolov equation related to DSSH and KdV6. <i>Applied Mathematics and Computation</i> , <b>2010</b> , 216, 2783-2791                           | 2.7 26 |
| 973 | Numerical solutions of partial differential equations by discrete homotopy analysis method. <i>Applied Mathematics and Computation</i> , <b>2010</b> , 216, 3592-3605                         | 2.7 10 |
| 972 | A study on the convergence of homotopy analysis method. <i>Applied Mathematics and Computation</i> , <b>2010</b> , 217, 782-789   | 2.7 51 |



|     |  |     |     |
|-----|--|-----|-----|
| 971 | Trigonometric and hyperbolic type solutions to a generalized Drinfel'd-Bokolov equation. <i>Applied Mathematics and Computation</i> , <b>2010</b> , 217, 4147-4166 | 2.7 | 3   |
| 970 | A series solution of the nonlinear Volterra and Fredholm integro-differential equations. <b>2010</b> , 15, 205-215   |     | 22  |
| 969 | Thermal analysis of a longitudinal trapezoidal fin with temperature-dependent thermal conductivity and heat transfer coefficient. <b>2010</b> , 15, 590-601        |     | 69  |
| 968 | On the relationship between the homotopy analysis method and Euler transform. <b>2010</b> , 15, 1421-1431  |     | 62  |
| 967 | Relationship between the homotopy analysis method and harmonic balance method. <b>2010</b> , 15, 2017-2025   |     | 10  |
| 966 | An optimal homotopy-analysis approach for strongly nonlinear differential equations. <b>2010</b> , 15, 2003-2016   |     | 586 |
| 965 | Homotopy solution for the unsteady three-dimensional MHD flow and mass transfer in a porous space. <b>2010</b> , 15, 2375-2387                                     |     | 81  |
| 964 | Analytical approximate solutions of systems of fractional algebraic-differential equations by homotopy analysis method. <b>2010</b> , 59, 1227-1235                |     | 35  |
| 963 | A series solution of the Cauchy problem for the generalized . <b>2010</b> , 59, 1500-1508  |     | 8   |
| 962 | The homotopy analysis method for solving the Fornberg-Whitham equation and comparison with Adomian's decomposition method. <b>2010</b> , 59, 2743-2750             |     | 38  |
| 961 | Global Error Minimization method for solving strongly nonlinear oscillator differential equations. <b>2010</b> , 59, 2887-2895                                     |     | 24  |
| 960 | Application of the Optimal Homotopy Asymptotic Method to squeezing flow. <b>2010</b> , 59, 3858-3866   |     | 36  |
| 959 | Reduced Differential Transform Method for Generalized KdV Equations. <b>2010</b> , 15, 382-393   |     | 19  |
| 958 | Application of Homotopy Analysis Method to the Unsteady Squeezing Flow of a Second-Grade Fluid between Circular Plates. <b>2010</b> , 2010, 1-18                   |     | 23  |
| 957 | Series Solution of Wire Coating Analysis Involving MHD Johnson-Segalman Fluid. <b>2010</b> , 23, 84-89   |     |     |
| 956 | Series solution for flow of a second-grade fluid in a divergent-convergent channel. <b>2010</b> , 88, 911-917  |     | 4   |
| 955 | Numerical Solution of the Three-Dimensional Helmholtz Equation. <b>2010</b> , 27, 060201   |     | 13  |
| 954 | Approximate homotopy similarity reduction for the generalized Kawahara equation via Lie symmetry method and direct method. <b>2010</b> , 19, 080202                |     | 5   |

|     |  |    |
|-----|--|----|
| 953 | Analytical Approach to Space- and Time-Fractional Burgers Equations. <b>2010</b> , 27, 090501  | 30 |
| 952 | The solution of a coupled system of nonlinear physical problems using the homotopy analysis method. <b>2010</b> , 81, 015001               | 3  |
| 951 | On the Nonsimilarity Boundary-Layer Flows of Second-Order Fluid Over a Stretching Sheet. <b>2010</b> , 77,                                 | 7  |
| 950 | Exponential-type solutions to a generalized Drinfel'd-Bokolov equation. <b>2010</b> , 82, 035006   | 12 |
| 949 | Homotopy based solutions of the Navier-Stokes equations for a porous channel with orthogonally moving walls. <b>2010</b> , 22, 053601      | 76 |
| 948 | Series solutions of coupled Van der Pol equation by means of homotopy analysis method. <b>2010</b> , 51, 063517                            | 26 |
| 947 | COMPARISON OF A GENERAL SERIES EXPANSION METHOD AND THE HOMOTOPY ANALYSIS METHOD. <b>2010</b> , 24, 1699-1706                              | 16 |
| 946 | Life System Modeling and Intelligent Computing. <b>2010</b> ,  | 1  |
| 945 | Analytical Methodologies for Hypersonic Propulsion. <b>2010</b> ,  | 0  |
| 944 | Exact HAM Solutions for the Viscous Rotational Flowfield in Channels with Regressing and Injecting Sidewalls. <b>2010</b> ,                |    |
| 943 | Solving Delay Differential Equations with Homotopy Analysis Method. <b>2010</b> , 144-153  | 2  |
| 942 | On exact solution of Poisson equation with boundary conditions by the homotopy analysis method. <b>2010</b> ,                              |    |
| 941 | Flow of a Jeffery-Six Constant Fluid Between Coaxial Cylinders with Heat Transfer Analysis. <b>2011</b> , 56, 345-351                      | 21 |
| 940 | Analytical expressions of concentration of nitrate pertaining to the electrocatalytic reduction of nitrate ion. <b>2011</b> , 661, 137-143 | 6  |
| 939 | Nonlinear Dynamical Systems in Engineering. <b>2011</b> ,  | 61 |
| 938 | Analysis on Viscoelastic Fluid Flow and Heat Transfer Over A Stretching Sheet. <b>2011</b> , 12, 278-289                                   | 2  |
| 937 | Numerical Analysis of Peristaltic Transport of a Tangent Hyperbolic Fluid in an Endoscope. <b>2011</b> , 24, 309-317                       | 6  |
| 936 | A Modification of Extended Homoclinic Test Approach to Solve the (3+1)-Dimensional Potential-YTSF Equation. <b>2011</b> , 28, 040202       | 42 |

|     |   |     |
|-----|---|-----|
| 935 | Homotopy analysis method for solving fractional hyperbolic partial differential equations. <b>2011</b> , 88, 578-588  | 19  |
| 934 | Viscous Flows Revisited in Simulated Rockets with Radially Regressing Walls. <b>2011</b> ,  |     |
| 933 | Homotopy analysis method for the fractional nonlinear equations. <b>2011</b> , 23, 389-393  | 8   |
| 932 | An analytical solution for boundary layer flow of a nanofluid past a stretching sheet. <b>2011</b> , 50, 2256-2263  | 111 |
| 931 | Discrete homotopy analysis method for the nonlinear Fredholm integral equations. <b>2011</b> , 2, 133-140   | 9   |
| 930 | Homotopy analysis method for higher-order fractional integro-differential equations. <b>2011</b> , 62, 3194-3203  | 56  |
| 929 | Analytical solutions for the unsteady MHD rotating flow over a rotating sphere near the equator. <b>2011</b> , 9,   | 6   |
| 928 | The flow of a micropolar fluid through a porous channel with expanding or contracting walls. <b>2011</b> , 9,   | 17  |
| 927 | Analytical approximations for the periodic motion of the Duffing system with delayed feedback. <b>2011</b> , 56, 561-576  | 11  |
| 926 | Effects of thermal radiation on the boundary layer flow of a Jeffrey fluid over an exponentially stretching surface. <b>2011</b> , 57, 187-205                            | 100 |
| 925 | Thin film flow and heat transfer on an unsteady stretching sheet with internal heating. <b>2011</b> , 46, 349-357   | 64  |
| 924 | Periodic solutions of multi-degree-of-freedom strongly nonlinear coupled van der Pol oscillators by homotopy analysis method. <b>2011</b> , 217, 269-285                  | 6   |
| 923 | Analytical approximate periodic solutions for two-degree-of-freedom coupled van der Pol-Duffing oscillators by extended homotopy analysis method. <b>2011</b> , 219, 1-14 | 8   |
| 922 | Homotopy analysis solutions for the asymmetric laminar flow in a porous channel with expanding or contracting walls. <b>2011</b> , 27, 208-214                            | 25  |
| 921 | Analysis method of chaos and sub-harmonic resonance of nonlinear system without small parameters. <b>2011</b> , 32, 1-10  | 8   |
| 920 | Homotopy analysis solution for micropolar fluid flow through porous channel with expanding or contracting walls of different permeabilities. <b>2011</b> , 32, 859-874    | 9   |
| 919 | Similarity solutions for flows and heat transfer in microchannels between two parallel plates. <b>2011</b> , 54, 2349-2354  | 11  |
| 918 | Thermal-diffusion and diffusion-thermo effects on axisymmetric flow of a second grade fluid. <b>2011</b> , 54, 3031-3041  | 33  |

|     |  |     |     |
|-----|--|-----|-----|
| 917 | Convective heat transfer in a conducting fluid over a permeable stretching surface with suction and internal heat generation/absorption. <i>Applied Mathematics and Computation</i> , <b>2011</b> , 217, 5810-5821 | 2.7 | 15  |
| 916 | An approximate analytical solution of time-fractional telegraph equation. <i>Applied Mathematics and Computation</i> , <b>2011</b> , 217, 7405-7411  | 2.7 | 44  |
| 915 | A homotopy analysis method for limit cycle of the van der Pol oscillator with delayed amplitude limiting. <i>Applied Mathematics and Computation</i> , <b>2011</b> , 217, 9404-9411                                | 2.7 | 8   |
| 914 | Homotopy analysis method for the heat transfer in a asymmetric porous channel with an expanding or contracting wall. <b>2011</b> , 35, 4321-4329   |     | 24  |
| 913 | On Legendre polynomial approximation with the VIM or HAM for numerical treatment of nonlinear fractional differential equations. <b>2011</b> , 235, 2956-2968  |     | 42  |
| 912 | The essence of the generalized Taylor theorem as the foundation of the homotopy analysis method. <b>2011</b> , 16, 1254-1262   |     | 21  |
| 911 | Numerical solution of nonlinear Volterra-Fredholm integro-differential equations using Homotopy Analysis Method. <b>2011</b> , 37, 1-12  |     | 12  |
| 910 | A new technique of using homotopy analysis method for solving high-order nonlinear differential equations. <b>2011</b> , 34, 728-742   |     | 18  |
| 909 | Analytical approach to heat and mass transfer in MHD free convection from amoving permeable vertical surface. <b>2011</b> , 34, n/a-n/a  |     | 1   |
| 908 | Stagnation slip flow and heat transfer over a nonlinear stretching sheet. <b>2011</b> , 27, 302-314  |     | 19  |
| 907 | On mass transfer in three-dimensional flow of a viscoelastic fluid. <b>2011</b> , 27, 915-936  |     | 7   |
| 906 | A study of pressure distribution for a slider bearing lubricated with a second-grade fluid. <b>2011</b> , 27, 1231-1241  |     | 6   |
| 905 | Series solution for heat transfer from a continuous surface in a parallel free stream of viscoelastic fluid. <b>2011</b> , 27, 1511-1524   |     | 10  |
| 904 | Hall and ion-slip effects on three-dimensional flow of a second grade fluid. <b>2011</b> , 66, 183-193   |     | 15  |
| 903 | Homotopy solution for flow of a micropolar fluid on a continuous moving surface. <b>2011</b> , 66, 608-621   |     |     |
| 902 | Three-dimensional flow of upper-convected Maxwell (UCM) fluid. <b>2011</b> , 66, 875-884   |     | 53  |
| 901 | MHD flow and heat transfer over permeable stretching sheet with slip conditions. <b>2011</b> , 66, 963-975   |     | 121 |
| 900 | Soret and Dufour effects on the mixed convection flow of a second grade fluid subject to Hall and ion-slip currents. <b>2011</b> , 67, 1073-1099   |     | 21  |

|     |   |     |
|-----|---|-----|
| 899 | The laminar free-convection boundary-layer flow about a heated and rotating down-pointing vertical cone in the presence of a transverse magnetic field. <b>2011</b> , 67, 2141-2156 | 10  |
| 898 | Determination of temperature distribution for annular fins with temperature-dependent thermal conductivity. <b>2011</b> , 40, 464-474   | 1   |
| 897 | Unsteady boundary layer flow of a Casson fluid due to an impulsively started moving flat plate. <b>2011</b> , 40, 563-576   | 131 |
| 896 | The scaled boundary FEM for nonlinear problems. <b>2011</b> , 16, 63-75   | 21  |
| 895 | Analytical solution for the unsteady MHD flow of a viscous fluid between moving parallel plates. <b>2011</b> , 16, 266-273  | 15  |
| 894 | Analytic solutions of unsteady boundary flow and heat transfer on a permeable stretching sheet with non-uniform heat source/sink. <b>2011</b> , 16, 731-740                         | 77  |
| 893 | Analytic approximate solutions for heat transfer of a micropolar fluid through a porous medium with radiation. <b>2011</b> , 16, 1874-1889  | 150 |
| 892 | Homotopy analysis method applied to electrohydrodynamic flow. <b>2011</b> , 16, 2730-2736   | 56  |
| 891 | On series solution for unsteady boundary layer equations in a special third grade fluid. <b>2011</b> , 16, 3140-3146  | 54  |
| 890 | Homotopy analysis method for solving a class of fractional partial differential equations. <b>2011</b> , 16, 3655-3664  | 35  |
| 889 | Geometrically nonlinear forced vibrations of the symmetric honeycomb sandwich panels affected by the water. <b>2011</b> , 93, 880-888   | 9   |
| 888 | Geometrically nonlinear forced vibrations of the symmetric rectangular honeycomb sandwich panels with completed clamped supported boundaries. <b>2011</b> , 93, 360-368             | 18  |
| 887 | Application of homotopy analysis method to solve MHD Jeffery-Hamel flows in non-parallel walls. <b>2011</b> , 42, 108-113   | 42  |
| 886 | Unsteady stagnation point flow of viscous fluid caused by an impulsively rotating disk. <b>2011</b> , 42, 41-49   | 41  |
| 885 | Approximate analytical solutions of the nonlinear reaction-diffusion-convection problems. <b>2011</b> , 53, 261-268   | 8   |
| 884 | On two-dimensional diffusion with integral condition. <b>2011</b> , 23, 121-125   | 3   |
| 883 | Solving two-dimensional integral equations. <b>2011</b> , 23, 111-114   | 4   |
| 882 | Solving a multi-order fractional differential equation using homotopy analysis method. <b>2011</b> , 23, 151-155  | 29  |

|     |  |    |
|-----|--|----|
| 881 | A series exact solution for one-dimensional non-linear particle equation of motion. <b>2011</b> , 207, 461-464   | 19 |
| 880 | The extended homotopy perturbation method and boundary layer flow due to condensation and natural convection on a porous vertical plate. <b>2011</b> , 88, 3535-3552 | 4  |
| 879 | Homotopy Analysis Method for Nonlinear Dynamical System of an Electrostatically Actuated Microcantilever. <b>2011</b> , 2011, 1-14                                   | 1  |
| 878 | Homotopy Analysis Method for Solving Foam Drainage Equation with Space- and Time-Fractional Derivatives. <b>2011</b> , 2011, 1-12                                    | 5  |
| 877 | Solving Famous Nonlinear Coupled Equations with Parameters Derivative by Homotopy Analysis Method. <b>2011</b> , 2011, 1-15  | 1  |
| 876 | Highly Accurate Solution of Limit Cycle Oscillation of an Airfoil in Subsonic Flow. <b>2011</b> , 2011, 1-10   |    |
| 875 | Analytical Approach of Unsteady Boundary-Layer Flows Over a Semi-Infinite Plate for All Strouhal Numbers. <b>2011</b> , 78,  | 1  |
| 874 | Analytical Treatment of an Oldroyd 8-constant Fluid Between Coaxial Cylinders with Variable Viscosity. <b>2011</b> , 56, 933-938                                     | 8  |
| 873 | Application of the Homotopy Perturbation Method for Solving the Foam Drainage Equation. <b>2011</b> , 2011, 1-13   | 4  |
| 872 | Analysis of an SEIS Epidemic Model with a Changing Delitescence. <b>2012</b> , 2012, 1-10  | 3  |
| 871 | Homotopy Analysis Method for Second-Order Boundary Value Problems of Integrodifferential Equations. <b>2012</b> , 2012, 1-18   | 19 |
| 870 | The Application of the Homotopy Perturbation Method and the Homotopy Analysis Method to the Generalized Zakharov Equations. <b>2012</b> , 2012, 1-19                 | 5  |
| 869 | A Novel RNA Genetic Algorithm for the Application with Boundary-Layer Problems of the Fluid Mechanics. <b>2012</b> , 197, 307-310                                    |    |
| 868 | Approximate Solutions of Delay Parabolic Equations with the Dirichlet Condition. <b>2012</b> , 2012, 1-31  | 6  |
| 867 | On Spectral Homotopy Analysis Method for Solving Linear Volterra and Fredholm Integrodifferential Equations. <b>2012</b> , 2012, 1-16                                | 5  |
| 866 | An investigation of porosity and magnetohydrodynamic flow of non-Newtonian nanofluid in coaxial cylinders. <b>2012</b> , 7,  | 20 |
| 865 | Unsteady Flow of Third Grade Fluid With Soret and Dufour Effects. <b>2012</b> , 134,   | 9  |
| 864 | Identifying an unknown function in a parabolic equation by homotopy analysis method and comparison with the adomian decomposition method. <b>2012</b> ,              |    |

|     |   |     |
|-----|---|-----|
| 863 | Unsteady Squeezing Flow of Jeffery Fluid between Two Parallel Disks. <b>2012</b> , 29, 034701   | 40  |
| 862 | THE HOMOTOPY ANALYSIS METHOD IN BIFURCATION ANALYSIS OF DELAY DIFFERENTIAL EQUATIONS. <b>2012</b> , 22, 1230024   | 2   |
| 861 | The differential transform method and Padé approximants for a fractional population growth model. <b>2012</b> , 22, 791-802   | 14  |
| 860 | ON TWO-DIMENSIONAL WHOOPING COUGH DYNAMICS OF CONVECTION TYPE. <b>2012</b> , 12, 1250093  |     |
| 859 | Application of the Homotopy Analysis Method to Fluid Flow Problems. <b>2012</b> , 101-155   |     |
| 858 | Analytic Approximate Solutions for MHD Boundary-Layer Viscoelastic Fluid Flow over Continuously Moving Stretching Surface by Homotopy Analysis Method with Two Auxiliary Parameters. <b>2012</b> , 2012, 1-19 | 46  |
| 857 | New Exact Solutions to the (2+1)-Dimensional Ablowitz-Kaup-Newell-Segur Equation: Modification of the Extended Homoclinic Test Approach. <b>2012</b> , 29, 040202   | 25  |
| 856 | STUDY OF STOCHASTIC SYSTEMS FOR EPIDEMIC DISEASE MODELS. <b>2012</b> , 09, 373-379  | 1   |
| 855 | Control of error in the homotopy analysis of semi-linear elliptic boundary value problems. <b>2012</b> , 61, 613-629  | 34  |
| 854 | On higher-order differentiation in nonlinear mechanics. <b>2012</b> , 27, 221-232   | 17  |
| 853 | A Particle Swarm Optimization Algorithm and its Application in Hydrodynamic Equations. <b>2012</b> , 510, 472-477   |     |
| 852 | Homotopy analysis method for space- and time-fractional KdV equation. <b>2012</b> , 22, 928-941   | 23  |
| 851 | A Novel RNA Genetic Algorithm for the Parameter Estimation of the Fluid Mechanics with Multiple Solutions. <b>2012</b> , 204-208, 4679-4682   |     |
| 850 | Flow of micropolar fluid between two orthogonally moving porous disks. <b>2012</b> , 33, 963-974  | 3   |
| 849 | Homotopy Analysis Method in Nonlinear Differential Equations. <b>2012</b> ,   | 435 |
| 848 | Basic Ideas of the Homotopy Analysis Method. <b>2012</b> , 15-94  | 4   |
| 847 | A relationship between three analytical approaches to nonlinear problems. <b>2012</b> , 25, 1729-1733   | 23  |
| 846 | Approximate analytical solutions of Schnakenberg systems by homotopy analysis method. <b>2012</b> , 36, 4789-4796   | 16  |

|     |   |       |
|-----|---|-------|
| 845 | Optimal Homotopy Analysis Method. <b>2012</b> , 95-129  | 22    |
| 844 | Some Methods Based on the HAM. <b>2012</b> , 223-235  |       |
| 843 | Introduction. <b>2012</b> , 3-14  | 1     |
| 842 | Relationship to Euler Transform. <b>2012</b> , 189-221  |       |
| 841 | Mathematica Package BVPh. <b>2012</b> , 239-284   |       |
| 840 | Nonlinear Boundary-value Problems with Multiple Solutions. <b>2012</b> , 285-314  | 1     |
| 839 | Nonlinear Eigenvalue Equations with Varying Coefficients. <b>2012</b> , 315-361   |       |
| 838 | A Boundary-layer Flow with an Infinite Number of Solutions. <b>2012</b> , 363-381   |       |
| 837 | Non-similarity Boundary-layer Flows. <b>2012</b> , 383-401  |       |
| 836 | Unsteady Boundary-layer Flows. <b>2012</b> , 403-421  |       |
| 835 | Applications in Finance: American Put Options. <b>2012</b> , 425-459  |       |
| 834 | Two and Three Dimensional Gelfand Equation. <b>2012</b> , 461-491   |       |
| 833 | Interaction of Nonlinear Water Wave and Nonuniform Currents. <b>2012</b> , 493-522  |       |
| 832 | Resonance of Arbitrary Number of Periodic Traveling Water Waves. <b>2012</b> , 523-562  |       |
| 831 | Approximate polynomial solutions for nonlinear heat transfer problems using the squared remainder minimization method. <b>2012</b> , 39, 1336-1341                              | 7     |
| 830 | On the application of the homotopy analysis method for a nonlocal mixed problem with Bessel operator. <i>Applied Mathematics and Computation</i> , <b>2012</b> , 219, 3477-3485 | 2:7 3 |
| 829 | Approximate analytical solution of the concentration of phenol and oxygen and rate of phenol degradation in fluidized bed bioreactor. <b>2012</b> , 68, 42-53                   | 2     |
| 828 | A new approach for solving a class of nonlinear integro-differential equations. <b>2012</b> , 17, 4634-4641   | 5     |



|     |   |    |
|-----|---|----|
| 827 | Systematic Descriptions and Related Theorems. <b>2012</b> , 131-187   | 3  |
| 826 | Mixed Convection Heat Transfer in Micropolar Nanofluid over a Vertical Slender Cylinder. <b>2012</b> , 29, 124701   | 22 |
| 825 | Extended homotopy analysis method for multi-degree-of-freedom non-autonomous nonlinear dynamical systems and its application. <b>2012</b> , 223, 2537-2548        | 6  |
| 824 | An analytic algorithm of Lane-Emden-type equations arising in astrophysics - a hybrid approach. <b>2012</b> , 6, 22   | 7  |
| 823 | APPLICATION OF THE HOMOTOPY ANALYSIS METHOD (HAM) TO THIN FILM FLOW OF A GENERALIZED SECOND-GRADE FLUID ON A VERTICALLY MOVING BELT. <b>2012</b> , 199, 1298-1319 | 5  |
| 822 | Recent developments of some asymptotic methods and their applications for nonlinear vibration equations in engineering problems: a review. <b>2012</b> , 9, 1-93  | 39 |
| 821 | New Exact Solutions of (2 + 1)-Dimensional Bogoyavlenskii Equation by the Sine-Cosine Method. <b>2012</b> , 1,  |    |
| 820 | New Periodic and Soliton Solutions of (2 + 1)-Dimensional Soliton Equation. <b>2012</b> , 1,  | 4  |
| 819 | Homotopy analysis method to study a quadrupole mass filter. <b>2012</b> , 47, 484-9   | 1  |
| 818 | New explicit approximate solution of MHD viscoelastic boundary layer flow over stretching sheet. <b>2012</b> , 35, 1117-1125                                      | 3  |
| 817 | Homotopy analysis method to obtain numerical solutions of the Painlevé equations. <b>2012</b> , 35, 1423-1433   | 7  |
| 816 | Extended homotopy perturbation method and the axisymmetric flow past a porous stretching sheet. <b>2012</b> , 69, 909-925   | 5  |
| 815 | Axisymmetric magnetohydrodynamic flow of Jeffrey fluid over a rotating disk. <b>2012</b> , 70, 764-774  | 12 |
| 814 | MHD Flow of an Oldroyd-B Fluid Through a Porous Channel. <b>2012</b> , 10,  | 13 |
| 813 | A maple package of automated derivation of homotopy analysis solution for periodic nonlinear oscillations. <b>2012</b> , 25, 594-616                              | 3  |
| 812 | Natural convection flow of a couple stress fluid between two vertical parallel plates with Hall and ion-slip effects. <b>2012</b> , 28, 41-50                     | 7  |
| 811 | Three-dimensional channel flow of second grade fluid in rotating frame. <b>2012</b> , 33, 289-302   | 8  |
| 810 | MHD axisymmetric flow of third grade fluid between porous disks with heat transfer. <b>2012</b> , 33, 749-764   | 34 |

|     |   |       |
|-----|---|-------|
| 809 | Three-dimensional rotating flow between two porous walls with slip and heat transfer. <b>2012</b> , 39, 551-555   | 8     |
| 808 | Approximate homotopy symmetry and infinite series solutions to the perturbed mKdV equation. <i>Applied Mathematics and Computation</i> , <b>2012</b> , 218, 8486-8491 | 2.7 3 |
| 807 | Homotopy analysis method for the asymmetric laminar flow and heat transfer of viscous fluid between contracting rotating disks. <b>2012</b> , 36, 1806-1820           | 34    |
| 806 | Application of homotopy analysis method for fractional Swift Hohenberg equation [Revisited]. <b>2012</b> , 36, 3630-3637  | 54    |
| 805 | Three-dimensional flow of a Jeffery fluid over a linearly stretching sheet. <b>2012</b> , 17, 699-707   | 49    |
| 804 | Gaussian waves in the Fitzhugh-Nagumo equation demonstrate one role of the auxiliary function $H(x, t)$ in the homotopy analysis method. <b>2012</b> , 17, 1233-1240  | 38    |
| 803 | Mixed convection flow of couple stress fluid between parallel vertical plates with Hall and Ion-slip effects. <b>2012</b> , 17, 2447-2462                             | 27    |
| 802 | Semi-exact solution for thermo-mechanical analysis of functionally graded elastic-strain hardening rotating disks. <b>2012</b> , 17, 3747-3762                        | 18    |
| 801 | Homotopy analysis method with a non-homogeneous term in the auxiliary linear operator. <b>2012</b> , 17, 3776-3787  | 11    |
| 800 | Analytic approximate solutions for steady flow over a rotating disk in porous medium with heat transfer by homotopy analysis method. <b>2012</b> , 54, 1-9            | 107   |
| 799 | Analytical method for the construction of solutions to the Föppl von Kármán equations governing deflections of a thin flat plate. <b>2012</b> , 47, 1-6               | 48    |
| 798 | Series solutions of non-Newtonian nanofluids with Reynolds' model and Vogel' model by means of the homotopy analysis method. <b>2012</b> , 55, 1876-1891              | 178   |
| 797 | MHD flow and heat transfer over a porous shrinking surface with velocity slip and temperature jump. <b>2012</b> , 56, 133-144   | 73    |
| 796 | Radiative flow of Jeffery fluid in a porous medium with power law heat flux and heat source. <b>2012</b> , 243, 15-19   | 95    |
| 795 | Comparison of iterative methods by solving nonlinear Sturm-Liouville, Burgers and Navier-Stokes equations. <b>2012</b> , 10,  | 13    |
| 794 | Mixed convection unsteady stagnation point flow over a stretching sheet with heat transfer in the presence of variable free stream. <b>2012</b> , 68, 483-493         | 6     |
| 793 | Hydromagnetic stagnation point flow of a viscous fluid over a stretching or shrinking sheet. <b>2012</b> , 47, 31-50  | 32    |
| 792 | Analytical Approximations to Conservative Oscillators With Odd Nonlinearity Using the Variational Iteration Method. <b>2013</b> , 8,                                  | 1     |

|     |  |    |
|-----|--|----|
| 791 | The homotopy analysis method applied to the Kolmogorov-Betrovskii-Piskunov (KPP) and fractional KPP equations. <b>2013</b> , 51, 992-1000  | 17 |
| 790 | Control of error in the homotopy analysis of solutions to the Zakharov system with dissipation. <b>2013</b> , 64, 633-657  | 12 |
| 789 | ANALYTIC-APPROXIMATE SOLUTION FOR A CLASS OF NONLINEAR OPTIMAL CONTROL PROBLEMS BY HOMOTOPY ANALYSIS METHOD. <b>2013</b> , 06, 1350012   | 1  |
| 788 | Optimal homotopy asymptotic method for convective-radiative cooling of a lumped system, and convective straight fin with temperature-dependent thermal conductivity. <b>2013</b> , 24, 103-116 | 1  |
| 787 | The analysis of the flow of a micropolar fluid between two orthogonally moving porous disks with counter rotating directions. <b>2013</b> , 11,  |    |
| 786 | Theoretical Analysis of the Chemical Absorption of Carbon Dioxide using an Aqueous Elastic Xanthan-Gum Solution Containing NaOH. <b>2013</b> , 1, 405-411                                      |    |
| 785 | Modified homotopy perturbation method for solving system of linear equationsPeer review under responsibility of University of Bahrain.View all notes. <b>2013</b> , 13, 35-37                  | 5  |
| 784 | Mixed Convection Three-Dimensional Flow in the Presence of Hall and Ion-Slip Effects. <b>2013</b> , 135,   | 8  |
| 783 | Analytical solution of the transpiration on the boundary layer flow and heat transfer over a vertical slender cylinder. <b>2013</b> , 36, 353-380  | 7  |
| 782 | Homotopy Analysis Method for Time-Fractional Wave-Like Equations. <b>2013</b> , 24, 592-603  | 4  |
| 781 | Study on Nonlinear Oscillations of Gear Systems with Parametric Excitation Solved by Homotopy Analysis Method. <b>2013</b> , 14,   | 1  |
| 780 | Optimal homotopy analysis and control of error for solutions to the non-local Whitham equation. <b>2013</b> , 66, 843  | 6  |
| 779 | Thermal analysis of annular fins with temperature-dependent thermal properties. <b>2013</b> , 34, 1349-1360  | 12 |
| 778 | New homotopy analysis transform method for solving the discontinued problems arising in nanotechnology. <b>2013</b> , 22, 110201   | 26 |
| 777 | Utilizing feed-back neural network approach for solving linear Fredholm integral equations system. <b>2013</b> , 37, 5027-5038   | 20 |
| 776 | Analytical expressions for the concentrations of substrate, oxygen and mediator in an amperometric enzyme electrode. <b>2013</b> , 37, 5343-5358   | 3  |
| 775 | Flow and heat transfer of a micropolar fluid in a porous channel with expanding or contracting walls. <b>2013</b> , 67, 885-895  | 35 |
| 774 | Analytical treatment of unsteady mixed convection MHD flow on a rotating cone in a rotating frame. <b>2013</b> , 44, 596-604   | 44 |

|     |  |     |
|-----|--|-----|
| 773 | Analytical solutions Zakharov-Kuznetsov equations. <b>2013</b> , 24, 252-256   | 11  |
| 772 | Solution of one dimensional ground water recharge phenomenon by homotopy analysis method. <b>2013</b> ,  |     |
| 771 | Parametric analysis and optimization of entropy generation in unsteady MHD flow over a stretching rotating disk using artificial neural network and particle swarm optimization algorithm. <b>2013</b> , 55, 497-510 | 160 |
| 770 | Approximate solution of non-Newtonian viscoelastic fluid flow on a turbine disc for cooling purposes by using Adomian decomposition method. <b>2013</b> , 48, 875-886  |     |
| 769 | Series solutions for steady three-dimensional stagnation point flow of a nanofluid past a circular cylinder with sinusoidal radius variation. <b>2013</b> , 48, 643-652  | 31  |
| 768 | Comparison of the Homotopy Perturbation Method (HPM) and Method of Integral Manifolds (MIM) on a Thermal Explosion of Polydisperse Fuel Spray System. <b>2013</b> , 73, 929-952                                      | 5   |
| 767 | The homotopy analysis method for solving the time-fractional Fornberg-Whitham equation and comparison with Adomian decomposition method. <b>2013</b> , 37, 8876-8885   | 36  |
| 766 | Analytical solution for Hall and Ion-slip effects on mixed convection flow of couple stress fluid between parallel disks. <b>2013</b> , 57, 2494-2509  | 20  |
| 765 | Symbolic computation of strongly nonlinear periodic oscillations. <b>2013</b> , 55, 72-95  | 19  |
| 764 | RATIONAL ENERGY BALANCE METHOD TO NONLINEAR OSCILLATORS WITH CUBIC TERM. <b>2013</b> , 06, 1350019   | 15  |
| 763 | Solving fractional two-point boundary value problems using continuous analytic method. <b>2013</b> , 4, 539-547  | 18  |
| 762 | The effects of MHD and temperature dependent viscosity on the flow of non-Newtonian nanofluid in a pipe: Analytical solutions. <b>2013</b> , 37, 1451-1467   | 432 |
| 761 | Solution of the fractional epidemic model by homotopy analysis method. <b>2013</b> , 25, 73-81   | 102 |
| 760 | Solving a model for the evolution of smoking habit in Spain with homotopy analysis method. <b>2013</b> , 14, 549-558   | 40  |
| 759 | Newtonian heating in a flow of thixotropic fluid. <b>2013</b> , 128, 1   | 10  |
| 758 | Homotopy analysis method for space-time fractional differential equations. <b>2013</b> , 23, 1063-1075   | 6   |
| 757 | Large Amplitude Free Vibration Analysis of Nanotubes Using Variational and Homotopy Methods. <b>2013</b> ,   | 3   |
| 756 | Piecewise-homotopy analysis method (P-HAM) for first order nonlinear ODE. <b>2013</b> ,  | 0   |

|     |  |    |
|-----|--|----|
| 755 | The Application of the Homotopy Analysis Method and the Homotopy Perturbation Method to the Davey-Stewartson Equations and Comparison between Them and Exact Solutions. <b>2013</b> , 2013, 1-12 |    |
| 754 | Fractional Variational Iteration Method versus Adomian's Decomposition Method in Some Fractional Partial Differential Equations. <b>2013</b> , 2013, 1-10  | 4  |
| 753 | Flow and Heat Transfer in a Liquid Film over a Permeable Stretching Sheet. <b>2013</b> , 2013, 1-9   | 4  |
| 752 | Wavelet-Based Homotopy Analysis Method for Nonlinear Matrix System and Its Application in Burgers Equation. <b>2013</b> , 2013, 1-7  | 7  |
| 751 | Soret and dufour effects on free convection flow of a couple stress fluid in a vertical channel with chemical reaction. <b>2013</b> , 19, 45-55  | 10 |
| 750 | HAM-Based Adaptive Multiscale Meshless Method for Burgers Equation. <b>2013</b> , 2013, 1-10   | 5  |
| 749 | Approximate Solutions of Nonlinear Partial Differential Equations by Modified q-Homotopy Analysis Method. <b>2013</b> , 2013, 1-9  | 6  |
| 748 | Solution of Boundary Layer Problems with Heat Transfer by Optimal Homotopy Asymptotic Method. <b>2013</b> , 2013, 1-10   | 10 |
| 747 | Approximation of First Grade MHD Squeezing Fluid Flow with Slip Boundary Condition Using DTM and OHAM. <b>2013</b> , 2013, 1-9   | 9  |
| 746 | The Approximate Solutions of Fredholm Integrodifferential-Difference Equations with Variable Coefficients via Homotopy Analysis Method. <b>2013</b> , 2013, 1-7                                  | 4  |
| 745 | A semi-analytical technique for the solution of differential-algebraic equations and applications in flow of an incompressible viscous fluid. <b>2013</b> , 23, 818-843                          | 3  |
| 744 | Numerical Solution of Nonlinear Fredholm Integro-Differential Equations Using Spectral Homotopy Analysis Method. <b>2013</b> , 2013, 1-9   | 4  |
| 743 | Numerical Solution of Higher Order Boundary Value Problems. <b>2013</b> , 2013, 1-12   | 11 |
| 742 | A General Iteration Formula of VIM for Fractional Heat- and Wave-Like Equations. <b>2013</b> , 2013, 1-9   | 8  |
| 741 | Casson Fluid Flow and Heat Transfer at an Exponentially Stretching Permeable Surface. <b>2013</b> , 80,  | 31 |
| 740 | Improved ()-Expansion Method for the Space and Time Fractional Foam Drainage and KdV Equations. <b>2013</b> , 2013, 1-7  | 29 |
| 739 | Homotopy Analysis Method for a Class of Holling II's Model. <b>2013</b> , 694-697, 2891-2894   |    |
| 738 | Stagnation Point Flow of Burgers' Fluid and Mass Transfer with Chemical Reaction and Porosity. <b>2013</b> , 29, 453-460   | 21 |

|     |   |     |
|-----|---|-----|
| 737 | Cross Diffusion Effects on Chemically Reacting Magnetohydrodynamic Micropolar Fluid Between Concentric Cylinders. <b>2013</b> , 135,                            | 5   |
| 736 | Exact and analytic solutions of the Ernst equation governing axially symmetric stationary vacuum gravitational fields. <b>2013</b> , 87, 035005                 | 5   |
| 735 | Numerical Scheme for Solving Singular Two-Point Boundary Value Problems. <b>2013</b> , 2013, 1-8  | 1   |
| 734 | Application of Homotopy Perturbation Method with an Auxiliary Term for Nonlinear Dropping Equations Arisen in Polymer Packaging System. <b>2013</b> , 2013, 1-5 |     |
| 733 | Convergent Homotopy Analysis Method for Solving Linear Systems. <b>2013</b> , 2013, 1-6   | 4   |
| 732 | Study on strongly odd nonlinear oscillations by means of the homotopy analysis method. <b>2013</b> ,  |     |
| 731 | A NEW APPROACH IN THE SEARCH FOR PERIODIC ORBITS. <b>2013</b> , 23, 1350186   | 3   |
| 730 | On two-dimensional whooping cough dynamics of diffusion type. <b>2013</b> , 8, 148  | 1   |
| 729 | Toward a New Algorithm for Nonlinear Fractional Differential Equations. <b>2013</b> , 5, 222-234  |     |
| 728 | Feedback neural network method for solving linear Volterra integral equations of the second kind. <b>2013</b> , 4, 225  | 1   |
| 727 | Flow of a Williamson fluid over a stretching sheet. <b>2013</b> , 30, 619-625   | 152 |
| 726 | Magnetohydrodynamic axisymmetric flow of a third-grade fluid between two porous disks. <b>2013</b> , 30, 599-609  | 29  |
| 725 | Crack Identification in Beam Structures Using Homotopy Iteration Algorithm. <b>2013</b> ,   |     |
| 724 | He's Semi-inverse Method for Camassa-Holm Equation and Simplified Modified Camassa-Holm Equation. <b>2013</b> , 1,  | 7   |
| 723 | Boundary layer stagnation-point flow of a third grade fluid over an exponentially stretching sheet. <b>2013</b> , 30, 611-618                                   | 13  |
| 722 | Approximate analytical solution to a time-fractional Zakharov-Kuznetsov equation. <b>2013</b> , 1,  | 6   |
| 721 | Mathematical Modeling and Analysis of the Kinetics of Thermal Inactivation of Enzyme. <b>2013</b> , 2013, 1-8   | 1   |
| 720 | An Approximate Analytical Method for the Evaluation of the Concentrations and Current for Hybrid Enzyme Biosensor. <b>2013</b> , 2013, 1-12                     | 1   |

|                 |   |    |
|-----------------|---|----|
| 7 <sup>19</sup> | Flow of an Eyring-Powell Model Fluid between Coaxial Cylinders with Variable Viscosity. <b>2013</b> , 2013, 1-7   | 4  |
| 7 <sup>18</sup> | Falkner-Skan Flow of a Maxwell Fluid with Heat Transfer and Magnetic Field. <b>2013</b> , 2013, 1-7   | 1  |
| 7 <sup>17</sup> | On reliability of homotopy analysis method for equation of vertically falling non-spherical particle. <b>2013</b> , 23  |    |
| 7 <sup>16</sup> | Homotopy Analysis Method for Solving Fuzzy Integro-Differential Equations. <b>2013</b> , 7,   | 4  |
| 7 <sup>15</sup> | Double diffusive magnetohydrodynamic (MHD) mixed convective slip flow along a radiating moving vertical flat plate with convective boundary condition. <b>2014</b> , 9, e109404 | 9  |
| 7 <sup>14</sup> | An analytical study for $(2 + 1)$ -dimensional Schrödinger equation. <b>2014</b> , 2014, 438345   | 1  |
| 7 <sup>13</sup> | Analytical Investigation of Laminar Viscoelastic Fluid Flow over a Wedge in the Presence of Buoyancy Force Effects. <b>2014</b> , 2014, 1-11                                    | 5  |
| 7 <sup>12</sup> | Spectral-Homotopy Perturbation Method for Solving Governing MHD Jeffery-Hamel Problem. <b>2014</b> , 2014, 1-7  | 1  |
| 7 <sup>11</sup> | On the Homotopy Analysis Method for Fractional SEIR Epidemic Model. <b>2014</b> , 7, 3809-3820  | 20 |
| 7 <sup>10</sup> | The Homotopy Analysis Method for Solving Some Fractional Differential Equations. <b>2014</b> , 17, 255-269  | 3  |
| 7 <sup>09</sup> | Prediction of inverted velocity profile for gas flow in nanochannel. <b>2014</b> , 28, 1450227  |    |
| 7 <sup>08</sup> | A Novel Approach for Thin Film Flow Problem Via Homotopy Analysis Sumudu Transform Method. <b>2014</b> , 287-294  |    |
| 7 <sup>07</sup> | A Improved Particle Swarm Optimization Algorithm for the Application with Boundary-Layer Problems of Power-Law Fluids. <b>2014</b> , 526, 139-144                               |    |
| 7 <sup>06</sup> | Analog circuit optimization on basis of control theory approach. <b>2014</b> , 33, 2180-2204  | 12 |
| 7 <sup>05</sup> | A restarted iterative homotopy analysis method for two nonlinear models from image processing. <b>2014</b> , 91, 661-687  | 9  |
| 7 <sup>04</sup> | Chapter 4: Stability of Auxiliary Linear Operator and Convergence-Control Parameter in the Homotopy Analysis Method. <b>2014</b> , 123-180                                      | 3  |
| 7 <sup>03</sup> | Chapter 7: Homotopy Analysis Method for Fractional Swift-Hohenberg Equation. <b>2014</b> , 291-308  | 1  |
| 7 <sup>02</sup> | Chapter 8: HAM-Based Package NOPH for Periodic Oscillations of Nonlinear Dynamic Systems. <b>2014</b> , 309-359   | 1  |

|     |   |     |
|-----|---|-----|
| 701 | Numerical computation of fractional Black-Scholes equation arising in financial marketPeer review under responsibility of Mansoura University.View all notes. <b>2014</b> , 1, 177-183        | 56  |
| 700 | Magnetohydrodynamic flow of water/ethylene glycol based nanofluids with natural convection through a porous medium. <b>2014</b> , 129, 1  | 74  |
| 699 | Travelling Wave Solutions for the Unsteady Flow of a Third Grade Fluid Induced Due to Impulsive Motion of Flat Porous Plate Embedded in a Porous Medium. <b>2014</b> , 30, 527-535            | 25  |
| 698 | Optimal Homotopy Asymptotic Method for Viscous Boundary Layer Flow in Unbounded Domain. <b>2014</b> ,   | 3   |
| 697 | Micropolar Fluid flow and heat transfer about a spinning cone with Hall current and Ohmic heating. <b>2014</b> , 228, 1900-1912   | 1   |
| 696 | Modeling of Unsteady Flow through the Canals by Semiexact Method. <b>2014</b> , 2014, 1-12  | 1   |
| 695 | The effects of slip velocity on a micropolar fluid through a porous channel with expanding or contracting walls. <b>2014</b> , 17, 423-32   | 4   |
| 694 | Free convective heat and mass transfer for MHD fluid flow over a permeable vertical stretching sheet in the presence of the radiation and buoyancy effects. <b>2014</b> , 5, 901-912          | 143 |
| 693 | Analysis of large amplitude free vibrations of clamped tapered beams on a nonlinear elastic foundation. <b>2014</b> , 38, 1176-1186   | 13  |
| 692 | On the choice of auxiliary linear operator in the optimal homotopy analysis of the Cahn-Hilliard initial value problem. <b>2014</b> , 66, 269-298   | 13  |
| 691 | Asymmetric viscoelastic flow through a porous channel with expanding or contracting walls: a model for transport of biological fluids through vessels. <b>2014</b> , 17, 623-31               | 12  |
| 690 | Unsteady Mixed Convection Flow of a Rotating Second-Grade Fluid on a Rotating Cone. <b>2014</b> , 43, 204-220   | 2   |
| 689 | Exact and analytical solutions for a nonlinear sigma model. <b>2014</b> , 37, 1642-1651   | 3   |
| 688 | Usage of the homotopy analysis method for solving the nonlinear and linear integral equations of the second kind. <b>2014</b> , 67, 163-185   | 23  |
| 687 | Flow and heat transfer analysis of Williamson nanofluid. <b>2014</b> , 4, 1005-1012   | 102 |
| 686 | Fractional modelling for BBM-Burger equation by using new homotopy analysis transform methodPeer review under responsibility of University of Bahrain.View all notes. <b>2014</b> , 16, 16-20 | 13  |
| 685 | Homotopy simulation of nanofluid dynamics from a non-linearly stretching isothermal permeable sheet with transpiration. <b>2014</b> , 49, 469-482   | 164 |
| 684 | Singularly perturbed homotopy analysis method. <b>2014</b> , 38, 4614-4624  | 5   |



|     |   |       |
|-----|---|-------|
| 683 | Application of asymptotic numerical method with homotopy techniques to power flow problems. <b>2014</b> , 57, 375-383   | 14    |
| 682 | New analytical method for gas dynamics equation arising in shock fronts. <b>2014</b> , 185, 1947-1954   | 99    |
| 681 | A new analytical modelling for fractional telegraph equation via Laplace transform. <b>2014</b> , 38, 3154-3163   | 175   |
| 680 | Method for constructing analytical solutions to the Dym initial value problem. <i>Applied Mathematics and Computation</i> , <b>2014</b> , 226, 67-82  | 2.7 6 |
| 679 | Solutions of Nonlinear Chemistry Problems by Homotopy Analysis. <b>2014</b> , 25, 103-114   | 6     |
| 678 | Time-dependent three-dimensional boundary layer flow of a Maxwell fluid. <b>2014</b> , 91, 21-27  | 47    |
| 677 | Nonlinear dynamics of electrostatically actuated micro-resonator: Analytical solution by homotopy perturbation method. <b>2014</b> ,  | 1     |
| 676 | Large deflection analysis of cantilever beam under end point and distributed loads. <b>2014</b> , 37, 438-445   | 16    |
| 675 | Harmonic Analysis of Limit-Cycle Oscillations of an Optically Injected Semiconductor Laser. <b>2014</b> , 50, 1-8   | 3     |
| 674 | Effects of Thermal-Diffusion, Diffusion-Thermo, and Space Porosity on MHD Mixed Convective Flow of Micropolar Fluid in a Vertical Channel with Viscous Dissipation. <b>2014</b> , 43, 561-576 | 8     |
| 673 | Analytical study on accelerating falling of non-spherical particle in viscous fluid. <b>2014</b> , 29, 423-430  | 5     |
| 672 | Coupled flow and heat transfer in viscoelastic fluid with Cattaneo-Christov heat flux model. <b>2014</b> , 38, 87-93  | 288   |
| 671 | On the MHD squeeze flow between two parallel disks with suction or injection via HAM and HPM. <b>2014</b> , 9, 270-280  | 34    |
| 670 | Entropy analysis for an unsteady MHD flow past a stretching permeable surface in nano-fluid. <b>2014</b> , 267, 256-267   | 190   |
| 669 | Nonlinear vibration analysis of nonlocal nanowires. <b>2014</b> , 67, 607-613   | 32    |
| 668 | Wavelet basis expansion-based Volterra kernel function identification through multilevel excitations. <b>2014</b> , 76, 985-999   | 19    |
| 667 | New homotopy analysis transform algorithm to solve volterra integral equation. <b>2014</b> , 5, 243-246   | 32    |
| 666 | Analytical study for singular system of transistor circuits. <b>2014</b> , 53, 445-448  | 4     |

|     |  |     |
|-----|--|-----|
| 665 | Flow of Micropolar Fluid Between Parallel Plates with Soret and Dufour Effects. <b>2014</b> , 39, 5085-5093  | 11  |
| 664 | Optimal analytic method for the nonlinear Hasegawa-Mima equation. <b>2014</b> , 129, 1   | 5   |
| 663 | An analytical study of unsteady motion of non-spherical particle in plane of Couette flow. <b>2014</b> , 199, 408-414  | 6   |
| 662 | Analytical Study of Rotating Non-Newtonian Nanofluid on a Rotating Cone. <b>2014</b> , 28, 295-302   | 14  |
| 661 | Mixed Convection Flow of Chemically Reacting Couple Stress Fluid in a Vertical Channel with Soret and Dufour Effects. <b>2014</b> , 15, 413-421                    | 14  |
| 660 | Numerical computation of Klein-Gordon equations arising in quantum field theory by using homotopy analysis transform method. <b>2014</b> , 53, 469-474             | 35  |
| 659 | An analytical algorithm for nonlinear fractional Fornberg-Whitham equation arising in wave breaking based on a new iterative method. <b>2014</b> , 53, 225-231     | 12  |
| 658 | On solutions of two coupled fractional time derivative Hirota equations. <b>2014</b> , 77, 1309-1322   | 27  |
| 657 | Unsteady mixed convection flow of nanofluid on a rotating cone with magnetic field. <b>2014</b> , 4, 405-414   | 29  |
| 656 | Spectral homotopy analysis method and its convergence for solving a class of nonlinear optimal control problems. <b>2014</b> , 65, 171-194                         | 14  |
| 655 | On the Solution of Nonlinear Time-Fractional Generalized Burgers Equation by Homotopy Analysis Method and Modified Trial Equation Method. <b>2014</b> , 4, 305-309 | 6   |
| 654 | Solution of the SEIR model of epidemics using HAM. <b>2014</b> , 11, 297-310   |     |
| 653 | A New Approximate Analytical Method for ODEs. <b>2014</b> , 10, 19-30  |     |
| 652 | Mixed Convective Heat Transfer for MHD Viscoelastic Fluid Flow over a Porous Wedge with Thermal Radiation. <b>2014</b> , 6, 735939                                 | 100 |
| 651 | Construction of Approximate Analytical Solutions to Strongly Nonlinear Coupled van der Pol Oscillators. <b>2014</b> , 6, 817570                                    |     |
| 650 | Chapter 1: Chance and Challenge: A Brief Review of Homotopy Analysis Method. <b>2014</b> , 1-33  | 1   |
| 649 | Nonlinear Vertical Vibration of Tension Leg Platforms with Homotopy Analysis Method. <b>2015</b> , 7, 357-368  | 7   |
| 648 | Parallel moduli space sampling: Robust and fast surgery planning for image guided steerable needles. <b>2015</b> ,   | 1   |

|     |   |        |
|-----|---|--------|
| 647 | Numerical simulation of the laser transmission soliton initial stage. <b>2015</b> , 407-410   |        |
| 646 | A modified homotopy analysis method for solution of fractional wave equations. <b>2015</b> , 7, 168781401562033   | 24     |
| 645 | Heat and Mass Transfer for MHD Viscoelastic Fluid Flow over a Vertical Stretching Sheet with Considering Soret and Dufour Effects. <b>2015</b> , 2015, 1-12   | 17     |
| 644 | A Simple Modification of Homotopy Perturbation Method for the Solution of Blasius Equation in Semi-Infinite Domains. <b>2015</b> , 2015, 1-7  | 7      |
| 643 | NEWTONIAN HEATING, THERMAL-DIFFUSION AND DIFFUSION-THERMO EFFECTS IN AN AXISYMMETRIC FLOW OF A JEFFERY FLUID OVER A STRETCHING SURFACE. <b>2015</b> , 32, 555-561                                   | 19     |
| 642 | MHD radiative boundary layer flow of nanofluid past a vertical plate with internal heat generation/absorption, viscous and ohmic dissipation effects. <b>2015</b> , 34, 181-194                     | 30     |
| 641 | Mathematical analysis of an enzyme-entrapped conducting polymer modified electrode. <b>2015</b> , 39, 7351-7363   | 4      |
| 640 | Homotopy analysis transform method for solving generalized Abel's fuzzy integral equations of the first kind. <b>2015</b> ,   | 8      |
| 639 | A spectral method for the electrohydrodynamic flow in a circular cylindrical conduit. <b>2015</b> , 36, 307-322   | 9      |
| 638 | MHD boundary layer flow over an unsteady shrinking sheet: analytical and numerical approach. <b>2015</b> , 37, 1339-1346  | 11     |
| 637 | Efficient low-error analytical-numerical approximations for radial solutions of nonlinear Laplace equations. <b>2015</b> , 70, 227-248  | 1      |
| 636 | A comparative study on the analytic solutions of fractional coupled sine-Gordon equations by using two reliable methods. <i>Applied Mathematics and Computation</i> , <b>2015</b> , 253, 72-82      | 2.7 10 |
| 635 | On the existence of steady-state resonant waves in experiments. <b>2015</b> , 763, 1-23   | 27     |
| 634 | An improved approximate method for determining the temperature and efficiency of the nonlinear convective-radiative-generating fin: effect of environmental temperatures. <b>2015</b> , 51, 399-410 | 1      |
| 633 | Solution of the one-phase inverse Stefan problem by using the homotopy analysis method. <b>2015</b> , 39, 6793-6805   | 21     |
| 632 | Nonlinear Oscillations Analysis of the Elevator Cable in a Drum Drive Elevator System. <b>2015</b> , 7, 43-57   | 13     |
| 631 | Numeric-analytic solutions of mixed-type systems of balance laws. <i>Applied Mathematics and Computation</i> , <b>2015</b> , 265, 133-143   | 2.7 8  |
| 630 | On heat and mass transfer analysis for the flow of a nanofluid between rotating parallel plates. <b>2015</b> , 46, 514-522  | 115    |

|     |   |       |
|-----|---|-------|
| 629 | Approximate analytical solution for non-linear reaction diffusion equations in a mono-enzymatic biosensor involving Michaelis-Menten kinetics. <b>2015</b> , 751, 119-127             | 11    |
| 628 | Analytical Solutions for Rumor Spreading Dynamical Model in a Social Network. <b>2015</b> , 4,  | 3     |
| 627 | Numerical treatment for the solution of fractional fifth-order Sawada-Kotera equation using second kind Chebyshev wavelet method. <b>2015</b> , 39, 5121-5130                         | 44    |
| 626 | Numerical computation of nonlinear shock wave equation of fractional order. <b>2015</b> , 6, 605-611  | 25    |
| 625 | Similarity solution to three dimensional boundary layer flow of second grade nanofluid past a stretching surface with thermal radiation and heat source/sink. <b>2015</b> , 5, 017107 | 51    |
| 624 | A novel solution procedure for a three-level atom interacting with one-mode cavity field via modified homotopy analysis method. <b>2015</b> , 130, 1                                  | 6     |
| 623 | Mixed convection heat transfer in power law fluids over a moving conveyor along an inclined plate. <b>2015</b> , 85, 1023-1033  | 154   |
| 622 | Predictor homotopy analysis method for nanofluid flow through expanding or contracting gaps with permeable walls. <b>2015</b> , 08, 1550050   | 14    |
| 621 | Heat Transfer in Nanofluid. <b>2015</b> , 109-180   |       |
| 620 | Several Types of Similarity Solutions for the Hunter-Baxton Equation. <b>2015</b> , 63, 675-681   | 9     |
| 619 | New iterative technique for solving a system of nonlinear equations. <i>Applied Mathematics and Computation</i> , <b>2015</b> , 271, 446-466  | 2.7 6 |
| 618 | Approximate Solutions of the Generalized Abel Integral Equations Using the Extension Khan Homotopy Analysis Transformation Method. <b>2015</b> , 2015, 1-9                            | 4     |
| 617 | Homotopy Analysis Method for Stochastic Differential Equations with Maxima. <b>2015</b> , 233-244   |       |
| 616 | On linearization method to MHD boundary layer convective heat transfer with low pressure gradient. <b>2015</b> , 4, 105-113   | 13    |
| 615 | Analytical construction of peaked solutions for the nonlinear evolution of an electromagnetic pulse propagating through a plasma. <b>2015</b> , 38, 725-748                           |       |
| 614 | Reduced differential transform method for (2+1) dimensional type of the Zakharov-Kuznetsov ZK(n,n) equations. <b>2015</b> ,   | 2     |
| 613 | Approximate solution of Kuramoto-Sivashinsky equation using reduced differential transform method. <b>2015</b> ,  | 1     |
| 612 | Preface of the Symposium on analytical approaches for nonlinear differential equations modeling complex natural phenomena & advanced technological processes <b>2015</b> ,            |       |

|     |  |    |
|-----|--|----|
| 611 | An approximation technique for jet impingement flow. <b>2015</b> ,   |    |
| 610 | A new iterative method for linear and nonlinear partial differential equations. <b>2015</b> ,  |    |
| 609 | On the analytical solutions of the HindmarshRose neuronal model. <b>2015</b> , 82, 1221-1231   | 6  |
| 608 | An analytical method for solving the two-phase inverse Stefan problem. <b>2015</b> , 63, 583-590   | 6  |
| 607 | Analytical solution for time-dependent flow of a third grade fluid induced due to impulsive motion of a flat porous plate. <b>2015</b> , 31, 757-766                             |    |
| 606 | Semi-analytic solutions to oscillatory behavior of initially curved micro/nano systems. <b>2015</b> , 29, 3855-3863  | 16 |
| 605 | Unsteady Flow of Third Grade Fluid over an Oscillatory Stretching Sheet with Thermal Radiation and Heat Source/Sink. <b>2015</b> , 4,  | 10 |
| 604 | Soret and Dufour effects in three-dimensional flow of Maxwell fluid with chemical reaction and convective condition. <b>2015</b> , 25, 98-120                                    | 19 |
| 603 | Analytical Solution and Numerical Simulation for One-Dimensional Steady Nonlinear Heat Conduction in a Longitudinal Radial Fin with Various Profiles. <b>2015</b> , 44, 20-38    | 11 |
| 602 | MHD Boundary Layer Flow of a Nanofluid Passed through a Porous Shrinking Sheet with Thermal Radiation. <b>2015</b> , 28, 04014061  | 27 |
| 601 | Nanoparticle effect over the boundary layer flow over an exponentially stretching cylinder. <b>2015</b> , 229, 17-22   |    |
| 600 | Second law of thermodynamics analysis of hydro-magnetic nano-fluid slip flow over a stretching permeable surface. <b>2015</b> , 37, 1245-1256                                    | 17 |
| 599 | An adaptation of homotopy analysis method for reliable treatment of strongly nonlinear problems: construction of homotopy polynomials. <b>2015</b> , 38, 991-1000                | 47 |
| 598 | Numerical and analytical simulation of peristaltic flow of a Jeffrey-six constant fluid. <b>2015</b> , 94, 1420-1438   | 6  |
| 597 | On the dynamics of bistable micro/nano resonators: Analytical solution and nonlinear behavior. <b>2015</b> , 20, 1078-1089   | 44 |
| 596 | Optimal Homotopy Asymptotic Solutions for Nonlinear Ordinary Differential Equations Arising in Flow and Heat Transfer due to Nonlinear Stretching Sheet. <b>2016</b> , 45, 15-29 | 5  |
| 595 | Nonlinear Flow of Third-Grade Fluid between Stretching-Shrinking Sheets. <b>2016</b> , 29, 04015062  | 2  |
| 594 | Flow past a flat plate. <b>2016</b> , 77-120   |    |

|     |   |    |
|-----|---|----|
| 593 | Analytical Couple-stress Solution for Size-dependent Large-amplitude Vibrations of FG Tapered-nanobeams. <b>2016</b> , 13, 95-118                                       | 6  |
| 592 | Steady Mixed Convective Hydromagnetic Flow Past a Vertical Porous Plate in Presence of Source and Sink. <b>2016</b> , 5,  |    |
| 591 | Constructing Frozen Jacobian Iterative Methods for Solving Systems of Nonlinear Equations, Associated with ODEs and PDEs Using the Homotopy Method. <b>2016</b> , 9, 18 | 4  |
| 590 | Thin Film Williamson Nanofluid Flow with Varying Viscosity and Thermal Conductivity on a Time-Dependent Stretching Sheet. <b>2016</b> , 6, 334                          | 28 |
| 589 | On Squeezed Flow of Jeffrey Nanofluid between Two Parallel Disks. <b>2016</b> , 6, 346  | 45 |
| 588 | Analytical Modeling of MHD Flow over a Permeable Rotating Disk in the Presence of Soret and Dufour Effects: Entropy Analysis. <b>2016</b> , 18, 131                     | 15 |
| 587 | Nonlinear Vibrations of Cantilever Timoshenko Beams: A Homotopy Analysis. <b>2016</b> , 13, 1866-1877   | 5  |
| 586 | The approximate solutions of nonlinear Boussinesq equation. <b>2016</b> , 710, 012001   | 1  |
| 585 | Approximate analytical solution with stability analysis of HIV/AIDS model. <b>2016</b> , 3, 1206692   | 0  |
| 584 | Influence of thermal radiation and Joule heating in the Eyring-Powell fluid flow with the Soret and Dufour effects. <b>2016</b> , 57, 1051-1060                         | 42 |
| 583 | Mixed convective flow of Maxwell nanofluid past a porous vertical stretched surface [An optimal solution. <b>2016</b> , 6, 1072-1079                                    | 46 |
| 582 | A fractional model of a dynamical Brusselator reaction-diffusion system arising in triple collision and enzymatic reactions. <b>2016</b> , 5,                           | 16 |
| 581 | Heat transfer analysis for a free boundary problem arising in n-diffusion equation. <b>2016</b> , 5, 261-266  | 2  |
| 580 | Three-dimensional flow of Powell-Eyring nanofluid with heat and mass flux boundary conditions. <b>2016</b> , 25, 074701   | 41 |
| 579 | Residual power series method for fractional Burger types equations. <b>2016</b> , 5,  | 11 |
| 578 | Mixed convective radiative flow of second grade nanofluid with convective boundary conditions: An optimal solution. <b>2016</b> , 6, 796-804                            | 28 |
| 577 | Modeling and analysis for hydromagnetic three-dimensional flow of second grade nanofluid. <b>2016</b> , 221, 93-101   | 14 |
| 576 | On the steady-state nearly resonant waves. <b>2016</b> , 794, 175-199   | 25 |

|     |  |     |
|-----|--|-----|
| 575 | Application of perturbation iteration method to Lotka-Volterra equations. <b>2016</b> , 55, 1661-1666  | 2   |
| 574 | APPLICATION OF THE HOMOTOPY ANALYSIS METHOD FOR SOLVING THE SYSTEMS OF LINEAR AND NONLINEAR INTEGRAL EQUATIONS. <b>2016</b> , 21, 350-370  | 3   |
| 573 | Impact of magnetic field in three-dimensional flow of Sisko nanofluid with convective condition. <b>2016</b> , 413, 1-8  | 33  |
| 572 | Discrete homotopy analysis for optimal trading execution with nonlinear transient market impact. <b>2016</b> , 39, 332-342   | 9   |
| 571 | Numerical solution of time- and space-fractional coupled Burgers equations via homotopy algorithm. <b>2016</b> , 55, 1753-1763   | 115 |
| 570 | Study of different optimization strategies for analogue circuits. <b>2016</b> , 35,  | 3   |
| 569 | Numerical approximation of Newell-Whitehead-Segel equation of fractional order. <b>2016</b> , 5,   | 8   |
| 568 | Analytical and numerical investigation of thermal radiation effects on flow of viscous incompressible fluid with stretchable convergent/divergent channels. <b>2016</b> , 224, 768-775                             | 56  |
| 567 | Homotopy analysis transform algorithm to solve time-fractional foam drainage equation. <b>2016</b> , 5,  | 1   |
| 566 | MHD flow of Boungiorno model nanofluid over a vertical plate with internal heat generation/absorption. <b>2016</b> , 5, 211-222  | 22  |
| 565 | Exact stress and deformation analysis in elastoplastic Ramberg-Osgood beam. <b>2016</b> , 58, 618-628  | 6   |
| 564 | Flow of nanofluid due to convectively heated Riga plate with variable thickness. <b>2016</b> , 222, 854-862  | 80  |
| 563 | A homotopy series solution to a nonlinear partial differential equation arising from a mathematical model of the counter-current imbibition phenomenon in a heterogeneous porous medium. <b>2016</b> , 60, 119-126 | 9   |
| 562 | Comparison of two reliable analytical methods based on the solutions of fractional coupled Klein-Gordon-Zakharov equations in plasma physics. <b>2016</b> , 56, 1319-1335  | 7   |
| 561 | Flow and Heat Transfer of Bingham Plastic Fluid over a Rotating Disk with Variable Thickness. <b>2016</b> , 71, 1003-1015  | 5   |
| 560 | On magnetohydrodynamic flow of second grade nanofluid over a convectively heated nonlinear stretching surface. <b>2016</b> , 27, 1992-2004   | 36  |
| 559 | A new Sumudu transform iterative method for time-fractional Cauchy reaction-diffusion equation. <b>2016</b> , 5, 865   | 6   |
| 558 | Thermo-diffusion and diffusion-thermo effects on flow of second grade fluid between two inclined plane walls. <b>2016</b> , 224, 1074-1082   | 44  |

|     |  |     |     |
|-----|--|-----|-----|
| 557 | Analysis combustion of fuel droplets release to the atmosphere using homotopy analysis method. <b>2016</b> , 3, 1216240  |     |     |
| 556 | A generalized model for compact stars. <b>2016</b> , 76, 1   |     | 14  |
| 555 | Boundary layer flow analysis of a nanofluid past a porous moving semi-infinite flat plate by optimal collocation method. <b>2016</b> , 301, 34-43                                    |     | 25  |
| 554 | Magnetohydrodynamic (MHD) three-dimensional flow of second grade nanofluid by a convectively heated exponentially stretching surface. <b>2016</b> , 220, 1004-1012                   |     | 57  |
| 553 | Effects of Soret, Hall and Ion-slip on mixed convection in an electrically conducting Casson fluid in a vertical channel. <b>2016</b> , 5,   |     | 3   |
| 552 | Homotopy simulation of micro-scale flow between rotating disks. <b>2016</b> , 38, 2333-2344  |     | 2   |
| 551 | Analysis of MHD flow characteristics of an UCM viscoelastic flow in a permeable channel under slip conditions. <b>2016</b> , 38, 977-988   |     | 7   |
| 550 | Convection Heat Transfer of Power-Law Fluids Along the Inclined Nonuniformly Heated Plate With Suction or Injection. <b>2016</b> , 138,  |     | 6   |
| 549 | Nonlinear hydroelastic waves traveling in a thin elastic plate floating on a two-layer fluid. <i>Applied Mathematics and Computation</i> , <b>2016</b> , 274, 700-710                | 2.7 | 2   |
| 548 | Three dimensional boundary layer flow of a viscoelastic nanofluid with Soret and Dufour effects. <b>2016</b> , 55, 311-319   |     | 31  |
| 547 | Similarity and analytical solutions of free convective flow of dilatant nanofluid in a Darcian porous medium with multiple convective boundary conditions. <b>2016</b> , 55, 263-274 |     | 11  |
| 546 | Mixed convection flow due to a vertical plate in the presence of heat source and chemical reaction. <b>2016</b> , 7, 671-682   |     | 8   |
| 545 | Extended Parker-Sochacki method for Michaelis-Menten enzymatic reaction model. <b>2016</b> , 496, 50-4   |     | 6   |
| 544 | EXACT AND APPROXIMATE ANALYTIC SOLUTIONS OF THE JEFFERY-HAMEL FLOW PROBLEM BY THE DUAN-RACH MODIFIED ADOMIAN DECOMPOSITION METHOD. <b>2016</b> , 21, 174-187                         |     | 4   |
| 543 | On magnetohydrodynamic flow of second grade nanofluid over a nonlinear stretching sheet. <b>2016</b> , 408, 99-106   |     | 73  |
| 542 | Homotopy analysis method for unsteady mixed convective stagnation-point flow of a nanofluid using Tiwari-Das nanofluid model. <b>2016</b> , 26, 40-62                                |     | 40  |
| 541 | Fractional modelling arising in unidirectional propagation of long waves in dispersive media. <b>2016</b> , 5,   |     | 11  |
| 540 | Two analytical methods for time-fractional nonlinear coupled Boussinesq-Burger equations arise in propagation of shallow water waves. <b>2016</b> , 85, 699-715                      |     | 122 |



|     |  |    |
|-----|--|----|
| 539 | Soret and Dufour effects on hydromagnetic flow of viscoelastic fluid over porous oscillatory stretching sheet with thermal radiation. <b>2016</b> , 38, 2533-2546                  | 18 |
| 538 | Nonlinear radiation effects on squeezing flow of a Casson fluid between parallel disks. <b>2016</b> , 48, 186-192  | 43 |
| 537 | Thermo-diffusion, diffusion-thermo and chemical reaction effects on MHD flow of viscous fluid in divergent and convergent channels. <b>2016</b> , 141, 17-27                       | 45 |
| 536 | Analytical approach for solving two-dimensional laminar viscous flow between slowly expanding and contracting walls. <b>2016</b> , 7, 1089-1097                                    | 5  |
| 535 | On the Discovery of the Steady-State Resonant Water Waves. <b>2016</b> , 43-82   | 1  |
| 534 | General Principles. <b>2016</b> , 1-31   |    |
| 533 | Modified Homotopy Analysis Method for Nonlinear Aeroelastic Behavior of Two Degree-of-Freedom Airfoils. <b>2016</b> , 16, 1520001  | 2  |
| 532 | Multivalued behavior for a two-level system using Homotopy Analysis Method. <b>2016</b> , 443, 358-371   | 5  |
| 531 | New Approaches to Nonlinear Waves. <b>2016</b> ,   | 2  |
| 530 | Multicomponent and Multiscale Systems. <b>2016</b> ,   | 18 |
| 529 | Homotopy analysis transform method for solving Abel's integral equations of the first kind. <b>2016</b> , 7, 483-495   | 24 |
| 528 | A modified spectral method for solving operator equations. <b>2016</b> , 292, 105-135  | 2  |
| 527 | Approximate Analytical Solution of Two Coupled Time Fractional Nonlinear Schrödinger Equations. <b>2016</b> , 2, 113-135   | 20 |
| 526 | Hydromagnetic flow and radiative heat transfer of nanofluid past a vertical platePeer review under responsibility of Taibah University.View all notes. <b>2017</b> , 11, 1200-1213 | 6  |
| 525 | Crack identification of beam structures using homotopy continuation algorithm. <b>2017</b> , 25, 169-187   | 7  |
| 524 | Nonlinear dynamics of MEMS/NEMS resonators: analytical solution by the homotopy analysis method. <b>2017</b> , 23, 1913-1926   | 39 |
| 523 | Optimal q-homotopy analysis method for time-space fractional gas dynamics equation. <b>2017</b> , 132, 1   | 26 |
| 522 | Soret and Dufour effects on Jeffery-Hamel flow of second-grade fluid between convergent/divergent channel with stretchable walls. <b>2017</b> , 7, 361-372                         | 26 |

|     |   |    |
|-----|---|----|
| 521 | A HAM-based wavelet approach for nonlinear ordinary differential equations. <b>2017</b> , 48, 439-453   | 28 |
| 520 | Free-convective flow of copper/water nanofluid about a rotating down-pointing cone using Tiwari-Das nanofluid scheme. <b>2017</b> , 28, 900-909   | 47 |
| 519 | Heat transfer of nanofluids considering nanoparticle migration and second-order slip velocity. <b>2017</b> , 38, 125-136  | 16 |
| 518 | On squeezed flow of couple stress nanofluid between two parallel plates. <b>2017</b> , 7, 553-561   | 68 |
| 517 | A revised model for stretched flow of third grade fluid subject to magneto nanoparticles and convective condition. <b>2017</b> , 230, 608-615   | 42 |
| 516 | A nonlinear fractional model to describe the population dynamics of two interacting species. <b>2017</b> , 40, 4134-4148  | 59 |
| 515 | Thermophoresis and thermal radiation with heat and mass transfer in a magnetohydrodynamic thin-film second-grade fluid of variable properties past a stretching sheet. <b>2017</b> , 132, 1 | 59 |
| 514 | Flow and heat transfer analysis of magnetohydrodynamic (MHD) second-grade fluid in a channel with a porous wall. <b>2017</b> , 39, 2145-2157  | 7  |
| 513 | Influence of thermal radiation and viscous dissipation on squeezed flow of water between Riga plates saturated with carbon nanotubes. <b>2017</b> , 522, 389-398                            | 54 |
| 512 | Flow and heat transfer of nanofluids over a rotating disk with uniform stretching rate in the radial direction. <b>2017</b> , 6, 25-30  | 86 |
| 511 | Optimal Perturbation Iteration Method for Solving Nonlinear Heat Transfer Equations. <b>2017</b> , 139,   | 16 |
| 510 | On MHD nonlinear stretching flow of Powell-Eyring nanomaterial. <b>2017</b> , 7, 535-543  | 65 |
| 509 | Influence of the shape factor on the flow and heat transfer of a water-based nanofluid in a rotating system. <b>2017</b> , 132, 1   | 7  |
| 508 | Entropy Generation on MHD Flow of Powell-Eyring Fluid Between Radially Stretching Rotating Disk with Diffusion-Thermo and Thermo-Diffusion Effects. <b>2017</b> , 11, 20-32                 | 6  |
| 507 | A HAM-based wavelet approach for nonlinear partial differential equations: Two dimensional Bratu problem as an application. <b>2017</b> , 53, 249-262                                       | 29 |
| 506 | Three-dimensional flow of nanofluid with heat and mass flux boundary conditions. <b>2017</b> , 55, 1495-1510  | 47 |
| 505 | Radiative flow of Powell-Eyring nanofluid with convective boundary conditions. <b>2017</b> , 55, 1523-1538  | 22 |
| 504 | An efficient computational approach for generalized Hirota-Satsuma coupled KdV equations arising in shallow water waves. <b>2017</b> , 3, 14-30   | 4  |

|     |   |     |
|-----|---|-----|
| 503 | A new analysis for fractional model of regularized long-wave equation arising in ion acoustic plasma waves. <b>2017</b> , 40, 5642-5653   | 76  |
| 502 | Hall and ion slip effects on mixed convection flow of nanofluid between two concentric cylindersPeer review under responsibility of University of Bahrain.View all notes. <b>2017</b> , 24, 223-231 | 20  |
| 501 | A useful model for squeezing flow of nanofluid. <b>2017</b> , 237, 447-454  | 13  |
| 500 | Exact travelling wave solutions for the local fractional two-dimensional Burgers-type equations. <b>2017</b> , 73, 203-210  | 175 |
| 499 | An analytical treatment for MHD mixed convection boundary layer flow of Oldroyd-B fluid utilizing non-Fourier heat flux model. <b>2017</b> , 113, 1012-1020   | 24  |
| 498 | Homogeneous-heterogeneous reactions in MHD flow of micropolar fluid by a curved stretching surface. <b>2017</b> , 240, 209-220  | 73  |
| 497 | Nanofluid flow due to rotating disk with variable thickness and homogeneous-heterogeneous reactions. <b>2017</b> , 113, 96-105  | 83  |
| 496 | Optimal variational iteration method using Adomian's polynomials for physical problems on finite and semi-infinite intervals. <b>2017</b> , 132, 1  | 6   |
| 495 | On three-dimensional flow of couple stress fluid with Cattaneo-Christov heat flux. <b>2017</b> , 55, 930-938  | 27  |
| 494 | Solutions for Food Chain Ecoepidemic Model with Considering Infection Using Adomian Decomposition and Differential Transformation Methods. <b>2017</b> , 3, 1329-1346                               | 1   |
| 493 | On model for flow of Burgers nanofluid with Cattaneo-Christov double diffusion. <b>2017</b> , 55, 916-929   | 38  |
| 492 | A revised model for Darcy-Forchheimer flow of Maxwell nanofluid subject to convective boundary condition. <b>2017</b> , 55, 963-976   | 143 |
| 491 | A homotopy analysis method for the nonlinear partial differential equations arising in engineering. <b>2017</b> , 18, 191-200   | 2   |
| 490 | Three-dimensional flow of Jeffrey fluid with Cattaneo-Christov heat flux: An application to non-Fourier heat flux theory. <b>2017</b> , 55, 1067-1077   | 13  |
| 489 | An Improved RNA Genetic Algorithm for the Parameter Estimation Multiple Solutions of Ordinary Differential Equations. <b>2017</b> , 174, 477-481  |     |
| 488 | On the utility of the homotopy analysis method for non-analytic and global solutions to nonlinear differential equations. <b>2017</b> , 76, 151-162   | 9   |
| 487 | A mathematical model to simulate Heap (bio)-leaching process: An exact conceptual model, Homotopy theory and comparative insights with conventional methods. <b>2017</b> , 08, 1750018              | 3   |
| 486 | A global convergent derivative-free method for solving a system of non-linear equations. <b>2017</b> , 76, 109-124  |     |

|     |  |    |
|-----|--|----|
| 485 | Significance of nonlinear radiation in mixed convection flow of magneto Walter-B nanoliquid. <b>2017</b> , 42, 26408-26416   | 79 |
| 484 | Particle shape, thermal radiations, viscous dissipation and joule heating effects on flow of magneto-nanofluid in a rotating system. <b>2017</b> , 34, 2479-2498   | 4  |
| 483 | Importance of Darcy-Forchheimer relation in chemically reactive radiating flow towards convectively heated surface. <b>2017</b> , 248, 1071-1077   | 23 |
| 482 | Radiative three-dimensional flow with Soret and Dufour effects. <b>2017</b> , 133, 829-837   | 30 |
| 481 | Non-linear radiative squeezed flow in a rotating frame. <b>2017</b> , 34, 2450-2462  | 1  |
| 480 | Viscous Mean Flow Approximations for Porous Tubes with Radially Regressing Walls. <b>2017</b> , 55, 3868-3880  | 9  |
| 479 | Shape effects of nanoparticles on the squeezed flow between two Riga plates in the presence of thermal radiation. <b>2017</b> , 132, 1   | 13 |
| 478 | Radiative flow of hyperbolic tangent liquid subject to Joule heating. <b>2017</b> , 7, 2197-2203   | 9  |
| 477 | The Modified Homotopy Algorithm for Dispersion Phenomena. <b>2017</b> , 3, 785-799   | 2  |
| 476 | Stagnation-point flow of second grade nanofluid towards a nonlinear stretching surface with variable thickness. <b>2017</b> , 7, 2821-2830   | 29 |
| 475 | A convective study of Al <sub>2</sub> O <sub>3</sub> -H <sub>2</sub> O and Cu- H <sub>2</sub> O nano-liquid films sprayed over a stretching cylinder with viscous dissipation. <b>2017</b> , 132, 1              | 30 |
| 474 | Numerical solution for fractional model of Fokker-Planck equation by using q-HATM. <b>2017</b> , 105, 99-110   | 26 |
| 473 | Solutions of the Blasius and MHD Falkner-Skan boundary-layer equations by modified rational Bernoulli functions. <b>2017</b> , 27, 1687-1705   | 6  |
| 472 | A non-Fourier heat flux approach to model MHD Oldroyd-B fluid flow due to bidirectional stretching surface. <b>2017</b> , 131-132, 146-154   | 18 |
| 471 | Identification of time-dependent source terms and control parameters in parabolic equations from overspecified boundary data. <b>2017</b> , 313, 397-409   | 1  |
| 470 | THERMO-DIFFUSION AND DIFFUSO-THERMO EFFECTS ON MHD SQUEEZING FLOW BETWEEN PARALLEL DISKS. <b>2017</b> , 24, 1750022  | 8  |
| 469 | Two-dimensional Legendre wavelet method for travelling wave solutions of time-fractional generalized seventh order KdV equation. <b>2017</b> , 73, 1118-1133   | 15 |
| 468 | Magnetohydrodynamic and thermal radiation effects on the boundary-layer flow due to a moving extensible surface with the velocity slip model: A comparative study of four nanofluids. <b>2017</b> , 422, 440-451 | 20 |

|     |   |     |
|-----|---|-----|
| 467 | A new analysis for the Keller-Segel model of fractional order. <b>2017</b> , 75, 213-228  | 47  |
| 466 | A frequency criterion for doubly clamped beam-type N/MEMS subjected to the van der Waals attraction. <b>2017</b> , 41, 650-666  | 8   |
| 465 | A new numerical approach for solving a class of singular two-point boundary value problems. <b>2017</b> , 75, 531-552   | 28  |
| 464 | Simultaneous effects of magnetic field and convective condition in three-dimensional flow of couple stress nanofluid with heat generation/absorption. <b>2017</b> , 39, 1165-1176 | 17  |
| 463 | Solving k-fractional shallow water wave equations via homotopy analysis transform method. <b>2017</b> , 7, 240  |     |
| 462 | Magnetohydrodynamic Nanoliquid Thin Film Sprayed on a Stretching Cylinder with Heat Transfer. <b>2017</b> , 7, 271  | 87  |
| 461 | The Brownian and Thermophoretic Analysis of the Non-Newtonian Williamson Fluid Flow of Thin Film in a Porous Space over an Unstable Stretching Surface. <b>2017</b> , 7, 404      | 10  |
| 460 | A Novel Numerical Approach for a Nonlinear Fractional Dynamical Model of Interpersonal and Romantic Relationships. <b>2017</b> , 19, 375  | 39  |
| 459 | Flow of an Oldroyd-B Fluid Impinging at a Finite Distance from the Axis of the Rotating Disk. <b>2017</b> , 44, 253-264   | 0   |
| 458 | A revised model for Jeffrey nanofluid subject to convective condition and heat generation/absorption. <b>2017</b> , 12, e0172518  | 29  |
| 457 | A Practical Method for Analytical Evaluation of Approximate Solutions of Fisher's Equations. <b>2017</b> , 13, 01001  | 11  |
| 456 | Introduction. <b>2017</b> , 1-37  |     |
| 455 | Analytical study for time and time-space fractional Burgers Equation. <b>2017</b> , 2017,   | 28  |
| 454 | On the numerical solution of a singular second-order thermoelastic system. <b>2017</b> , 9, 168781401770300   |     |
| 453 | Cross diffusion and exponential space dependent heat source impacts in radiated three-dimensional (3D) flow of Casson fluid by heated surface. <b>2018</b> , 8, 1275-1282         | 27  |
| 452 | Comparing the Caputo, Caputo-Fabrizio and Atangana-Baleanu derivative with fractional order: Fractional cubic isothermal auto-catalytic chemical system. <b>2018</b> , 133, 1     | 49  |
| 451 | Flow of ferro-magnetic nanoparticles in a rotating system: a numerical investigation of particle shapes. <b>2018</b> , 92, 969-977  | 5   |
| 450 | The electrical MHD and Hall current impact on micropolar nanofluid flow between rotating parallel plates. <b>2018</b> , 9, 1201-1214  | 141 |

|     |   |    |
|-----|---|----|
| 449 | New fractional derivatives applied to the Korteweg–de Vries and Korteweg–de Vries–Burger equations. <b>2018</b> , 37, 5203-5216                                       | 53 |
| 448 | Darcy–Borchheimer squeezed flow of carbon nanotubes with thermal radiation. <b>2018</b> , 120, 79-86  | 31 |
| 447 | An analytical study of physical models with inherited temporal and spatial memory. <b>2018</b> , 133, 1   | 20 |
| 446 | Constructing analytic solutions on the Tricomi equation. <b>2018</b> , 16, 143-148  | 3  |
| 445 | Chemically reactive species in squeezed flow through modified Fourier and Fick laws. <b>2018</b> , 133, 1   | 17 |
| 444 | Solving the backward heat conduction problem by homotopy analysis method. <b>2018</b> , 128, 84-97  | 14 |
| 443 | Viscous dissipation and Joule heating effects in MHD 3D flow with heat and mass fluxes. <b>2018</b> , 8, 365-371  | 45 |
| 442 | Flow of nanofluid by nonlinear stretching velocity. <b>2018</b> , 8, 1104-1109  | 25 |
| 441 | Effects of heat and mass transfer on unsteady boundary layer flow of a chemical reacting Casson fluid. <b>2018</b> , 8, 610-620                                       | 22 |
| 440 | Melting heat transfer and induced magnetic field effects on flow of water based nanofluid over a rotating disk with variable thickness. <b>2018</b> , 9, 1618-1630    | 27 |
| 439 | Three-dimensional rotating flow of MHD single wall carbon nanotubes over a stretching sheet in presence of thermal radiation. <b>2018</b> , 8, 1361-1378              | 55 |
| 438 | Heat transfer in Oldroyd-B fluid flow due to an exponentially stretching wall utilizing Cattaneo–Christov heat flux model. <b>2018</b> , 40, 1                        | 4  |
| 437 | Entropy generation minimization (EGM) for convection nanomaterial flow with nonlinear radiative heat flux. <b>2018</b> , 260, 279-291                                 | 76 |
| 436 | An efficient analytic approach for solving Hiemenz flow through a porous medium of a non-Newtonian Rivlin-Ericksen fluid with heat transfer. <b>2018</b> , 7, 287-301 | 1  |
| 435 | A computational approach for fractional convection-diffusion equation via integral transforms. <b>2018</b> , 9, 1019-1028   | 10 |
| 434 | Analytical approximation of MHD nano-fluid flow induced by a stretching permeable surface using Buongiorno model. <b>2018</b> , 9, 525-536                            | 7  |
| 433 | MHD flow of radiative micropolar nanofluid in a porous channel: optimal and numerical solutions. <b>2018</b> , 29, 793-801  | 16 |
| 432 | Thermal radiation effects on flow of Jeffery fluid in converging and diverging stretchable channels. <b>2018</b> , 30, 2371-2379                                      | 9  |

|     |  |     |
|-----|--|-----|
| 431 | A Modified Analytical Approach for Fractional Discrete KdV Equations Arising in Particle Vibrations. <b>2018</b> , 88, 95-106  | 24  |
| 430 | Thin film flow of a second grade fluid in a porous medium past a stretching sheet with heat transfer. <b>2018</b> , 57, 1019-1031  | 69  |
| 429 | Analytical solution of the time fractional Navier-Stokes equation. <b>2018</b> , 9, 1917-1927  | 11  |
| 428 | A modified numerical scheme and convergence analysis for fractional model of Lienard equation. <b>2018</b> , 339, 405-413  | 124 |
| 427 | Improving accurate vibration periods and responses of a rigid rod model. <b>2018</b> , 57, 1331-1338   | 1   |
| 426 | Homotopy approach for random eigenvalue problem. <b>2018</b> , 113, 450-478  | 2   |
| 425 | On the fractional Harry Dym equation. <b>2018</b> , 37, 2862-2876  | 6   |
| 424 | A new numerical algorithm for fractional Fitzhugh-Nagumo equation arising in transmission of nerve impulses. <b>2018</b> , 91, 307-317   | 101 |
| 423 | Solving the burgers' and regularized long wave equations using the new perturbation iteration technique. <b>2018</b> , 34, 1489-1501   | 21  |
| 422 | On the generalized wavelet-Galerkin method. <b>2018</b> , 331, 178-195   | 6   |
| 421 | Solution of damped generalized regularized long-wave equation using a modified homotopy analysis method. <b>2018</b> , 92, 191-196   | 4   |
| 420 | Approximate solution of a piecewise linear-nonlinear oscillator using the homotopy analysis method. <b>2018</b> , 24, 4551-4562  | 5   |
| 419 | Hydrodynamics of Non-Newtonian Spriggs Fluid Flow Past an Impulsively Moving Plate. <b>2018</b> , 95-107   | 3   |
| 418 | MHD mixed convective stagnation point flow and heat transfer of an incompressible nanofluid over an inclined stretching sheet with chemical reaction and radiation. <b>2018</b> , 118, 378-387 | 79  |
| 417 | Three non-Newtonian fluids flow considering thin film over an unsteady stretching surface with variable fluid properties. <b>2018</b> , 10, 168781401880736                                    | 16  |
| 416 | Assessment of structural health monitoring by analyzing some modal parameters (I) (an inventory of methods and some developments). <b>2018</b> , 67, 5-10                                      |     |
| 415 | The study of the entropy generation in a thin film flow with variable fluid properties past over a stretching sheet. <b>2018</b> , 10, 168781401878952   | 28  |
| 414 | A Tactile Sensor Decoupling Process. <b>2018</b> , 18,   |     |

|                 |  |        |
|-----------------|--|--------|
| 4 <sup>13</sup> | On the Analytic Solution of Magnetohydrodynamic (MHD) Flow by a Moving Wedge in Porous Medium. <b>2018</b> , 389, 128-137  | 2      |
| 4 <sup>12</sup> | The Thin Film Flow of Walter-B Fluid over the Surface of a Stretching Cylinder with Heat and Mass Transfer Analysis. <b>2018</b> , 07,   |        |
| 4 <sup>11</sup> | Solving a modified nonlinear epidemiological model of computer viruses by homotopy analysis method. <b>2018</b> , 12, 211-222  | 15     |
| 4 <sup>10</sup> | An Iterative Method for Time-Fractional Swift-Hohenberg Equation. <b>2018</b> , 2018, 1-13   | 9      |
| 4 <sup>09</sup> | Heat and Mass Transfer in Three-Dimensional Flow of an Oldroyd-B Nanofluid with Gyrotactic Micro-Organisms. <b>2018</b> , 2018, 1-15   | 13     |
| 4 <sup>08</sup> | On Darcy-Forchheimer squeezed flow of carbon nanotubes between two parallel disks. <b>2018</b> , 28, 2784-2800   | 7      |
| 4 <sup>07</sup> | Darcy-Forchheimer flow of radiative carbon nanotubes with microstructure and inertial characteristics in the rotating frame. <b>2018</b> , 12, 823-832                                 | 55     |
| 4 <sup>06</sup> | Analytical Solution for the Time Fractional BBM-Burger Equation by Using Modified Residual Power Series Method. <b>2018</b> , 2018, 1-11   | 7      |
| 4 <sup>05</sup> | Vibration Analysis of Nano Beam Using Differential Transform Method Including Thermal Effect. <b>2018</b> , 54, 1-14   | 36     |
| 4 <sup>04</sup> | Analytic study for fractional coupled Burger equations via Sumudu transform method. <b>2018</b> , 7, 323-332   | 16     |
| 4 <sup>03</sup> | Diffusion impedance of electroactive materials, electrolytic solutions and porous electrodes: Warburg impedance and beyond. <b>2018</b> , 281, 170-188                                 | 97     |
| 4 <sup>02</sup> | Three dimensional third grade nanofluid flow in a rotating system between parallel plates with Brownian motion and thermophoresis effects. <b>2018</b> , 10, 36-45                     | 66     |
| 4 <sup>01</sup> | A new iterative technique for a fractional model of nonlinear Zakharov-Kuznetsov equations via Sumudu transform. <i>Applied Mathematics and Computation</i> , <b>2018</b> , 334, 30-40 | 2.7 35 |
| 4 <sup>00</sup> | Analytical solution of convective heat transfer of a quiescent fluid over a nonlinearly stretching surface using Homotopy Analysis Method. <b>2018</b> , 10, 164-172                   | 8      |
| 399             | Convergent Power Series of sech (x) and Solutions to Nonlinear Differential Equations. <b>2018</b> , 2018, 1-10  | 9      |
| 398             | Non-Dimensional Optimization of Magnetohydrodynamic Falkner-Skan Fluid Flow. <b>2018</b> , 3, 143-147  | 4      |
| 397             | Quasi-Analytical Solutions and Methods. <b>2018</b> , 311-663  | 4      |
| 396             | Bibliography. <b>2018</b> , 683-716  |        |



|     |  |         |
|-----|--|---------|
| 395 | Flow of magneto Williamson nanoliquid towards stretching sheet with variable thickness and double stratification. <b>2018</b> , 152, 151-157   | 26      |
| 394 | Tailored catalyst pellet specification for improved fixed-bed transport characteristics: A shortcut method for the model-based reactor design. <b>2018</b> , 137, 60-74                                      | 7       |
| 393 | Simultaneous Effects of Nonlinear Mixed Convection and Radiative Flow Due to Riga-Plate With Double Stratification. <b>2018</b> , 140,   | 27      |
| 392 | Entropy Generation on Nanofluid Thin Film Flow of Eyring-Powell Fluid with Thermal Radiation and MHD Effect on an Unsteady Porous Stretching Sheet. <b>2018</b> , 20,  | 47      |
| 391 | The Combined Magneto Hydrodynamic and Electric Field Effect on an Unsteady Maxwell Nanofluid Flow over a Stretching Surface under the Influence of Variable Heat and Thermal Radiation. <b>2018</b> , 8, 160 | 54      |
| 390 | The Rotating Flow of Magneto Hydrodynamic Carbon Nanotubes over a Stretching Sheet with the Impact of Non-Linear Thermal Radiation and Heat Generation/Absorption. <b>2018</b> , 8, 482                      | 46      |
| 389 | A Numerical Solution of Fractional Lienard's Equation by Using the Residual Power Series Method. <b>2018</b> , 6, 1  | 80      |
| 388 | Analysis of a fractional model of the Ambartsumian equation. <b>2018</b> , 133, 1  | 78      |
| 387 | An efficient numerical algorithm for the fractional Drinfeld-Bokolov-Wilson equation. <i>Applied Mathematics and Computation</i> , <b>2018</b> , 335, 12-24  | 2.7 108 |
| 386 | A reliable analytical algorithm for space-time fractional cubic isothermal autocatalytic chemical system. <b>2018</b> , 91, 1  | 13      |
| 385 | A new highly accurate domain decomposition optimal homotopy analysis method and its convergence for singular boundary value problems. <b>2018</b> , 41, 6625-6644  | 11      |
| 384 | New fractional derivatives with non-singular kernel applied to the Burgers equation. <b>2018</b> , 28, 063109  | 81      |
| 383 | Variational Iteration Approach for Flexural Vibration of Rotating Timoshenko Cantilever Beams. <b>2018</b> , 18, 1850154   | 2       |
| 382 | Analysis of reaction-diffusion system via a new fractional derivative with non-singular kernel. <b>2018</b> , 509, 703-716   | 89      |
| 381 | Optimal homotopy analysis and control of error for implicitly defined fully nonlinear differential equations. <b>2019</b> , 81, 181-196  | 8       |
| 380 | Finding optimal convergence control parameter in the homotopy analysis method to solve integral equations based on the stochastic arithmetic. <b>2019</b> , 81, 237-267                                      | 30      |
| 379 | Analytical Methods in Nonlinear Oscillations. <b>2019</b> ,  | 13      |
| 378 | Integral Based Methods. <b>2019</b> , 197-247  |         |

|     |  |     |
|-----|--|-----|
| 377 | Effects of non-Darcian and temperature dependent heat source on two-phase flow in a vertical porous space with thermal radiation. <b>2019</b> , 48, 5-23                       | 6   |
| 376 | An explicit numerical scheme for solving fractional order compartment models from the master equations of a stochastic process. <b>2019</b> , 68, 188-202                      | 5   |
| 375 | Radiative Heat and Mass Transfer Analysis of Micropolar Nanofluid Flow of Casson Fluid Between Two Rotating Parallel Plates With Effects of Hall Current. <b>2019</b> , 141,   | 117 |
| 374 | Thermally radiated squeezed flow of magneto-nanofluid between two parallel disks with chemical reaction. <b>2019</b> , 135, 1021-1030  | 23  |
| 373 | Modified approach to solve nonlinear equation arising in infiltration phenomenon. <b>2019</b> , 76, 79-95  |     |
| 372 | Homotopy analysis method for approximations of Duffing oscillator with dual frequency excitations. <b>2019</b> , 127, 342-353  | 7   |
| 371 | The Heat and Mass Transfer Analysis During Bunch Coating of a Stretching Cylinder by Casson Fluid. <b>2019</b> ,   |     |
| 370 | A new approximate solution of the fuzzy delay differential equations. <b>2019</b> , 9, 221   | 2   |
| 369 | Numerical solution of nonlinear fractional Zakharov-Kuznetsov equation arising in ion-acoustic waves. <b>2019</b> , 93, 1  | 3   |
| 368 | Application of homotopy analysis method for solving of two-dimensional linear Volterra fuzzy integral equations. <b>2019</b> ,   | 3   |
| 367 | Chemically reactive flow of thixotropic nanofluid with thermal radiation. <b>2019</b> , 93, 1  | 4   |
| 366 | q-Homotopy analysis method for solving the seventh-order time-fractional Lax-Korteweg-de Vries and Sawada-Kotera equations. <b>2019</b> , 38, 1                                | 45  |
| 365 | Thermal Performance of the Graphene Oxide Nanofluids Flow in an Upright Channel Through a Permeable Medium. <b>2019</b> , 7, 102345-102355                                     | 9   |
| 364 | A Semi-Analytical Method for Solving Problems on the Role of Prey Taxic in a Biological Control-Mathematical Model. <b>2019</b> , 10, 1850009                                  |     |
| 363 | A Multi-Interval Homotopy Analysis Method Using Multi-Objective Optimization for Analytically Analyzing Chaotic Dynamics in Memristive Circuit. <b>2019</b> , 7, 116328-116341 | 2   |
| 362 | Approximate analytical solution of fractional order biochemical reaction model and its stability analysis. <b>2019</b> , 12, 1950059   | 8   |
| 361 | Hall and Ion-Slip Effect on CNTs Nanofluid over a Porous Extending Surface through Heat Generation and Absorption. <b>2019</b> , 21,   | 19  |
| 360 | Impact of thermal radiation on electrical MHD rotating flow of Carbon nanotubes over a stretching sheet. <b>2019</b> , 9, 015115   | 59  |

|     |  |    |
|-----|--|----|
| 359 | Nonlinear convective flow of Maxwell nanofluid past a stretching cylinder with thermal radiation and chemical reaction. <b>2019</b> , 41, 1  | 19 |
| 358 | Numerical simulation of space-fractional Helmholtz equation arising in seismic wave propagation, imaging and inversion. <b>2019</b> , 93, 1  | 16 |
| 357 | Numerical study of fractional model of multi-dimensional dispersive partial differential equation. <b>2019</b> , 4, 338-351  | 9  |
| 356 | Black-Scholes option pricing equations described by the Caputo generalized fractional derivative. <b>2019</b> , 125, 108-118   | 22 |
| 355 | Symmetry analysis, exact solutions and numerical approximations for the space-time Carleman equation in nonlinear dynamical systems. <b>2019</b> , 134, 1  | 15 |
| 354 | A New Approach for the Approximate Analytical Solution of Space-Time Fractional Differential Equations by the Homotopy Analysis Method. <b>2019</b> , 2019, 1-12   | 8  |
| 353 | A new efficient technique for solving fractional coupled Navier-Stokes equations using q-homotopy analysis transform method. <b>2019</b> , 93, 1   | 21 |
| 352 | A Robust Computational Algorithm of Homotopy Asymptotic Method for Solving Systems of Fractional Differential Equations. <b>2019</b> , 14,   | 51 |
| 351 | Homotopy Perturbation Laplace Transform Method and Its Application to the Fractional Diffusion Equation and the Fractional Diffusion-Reaction Equation. <b>2019</b> , 3, 14                              | 28 |
| 350 | Ohmic Heating of Magnetohydrodynamic Viscous Flow over a Continuous Moving Plate with Viscous Dissipation Buoyancy and Thermal Radiation. <b>2019</b> , 392, 73-91                                       | 1  |
| 349 | Effects of cross diffusion and heat generation on mixed convective MHD flow of Casson fluid through porous medium with non-linear thermal radiation. <b>2019</b> , 5, e01555                             | 21 |
| 348 | Simulation of magnetohydrodynamics and radiative heat transport in convectively heated stratified flow of Jeffrey nanofluid. <b>2019</b> , 133, 45-51  | 78 |
| 347 | Time-fractional Drinfeld-Sokolov-Wilson system: Lie symmetry analysis, analytical solutions and conservation laws. <b>2019</b> , 134, 1  | 4  |
| 346 | On a new modified fractional analysis of Nagumo equation. <b>2019</b> , 12, 1950034  | 24 |
| 345 | Obtaining analytical approximations to black hole solutions in higher-derivative gravity using the homotopy analysis method. <b>2019</b> , 134, 1  | 6  |
| 344 | MHD Thin Film Flow and Thermal Analysis of Blood with CNTs Nanofluid. <b>2019</b> , 9, 175   | 35 |
| 343 | A hybrid analytical algorithm for nonlinear fractional wave-like equations. <b>2019</b> , 14, 304  | 69 |
| 342 | Impact of Nonlinear Thermal Radiation and the Viscous Dissipation Effect on the Unsteady Three-Dimensional Rotating Flow of Single-Wall Carbon Nanotubes with Aqueous Suspensions. <b>2019</b> , 11, 207 | 39 |

|     |  |    |
|-----|--|----|
| 341 | Hall current and thermophoresis effects on magnetohydrodynamic mixed convective heat and mass transfer thin film flow. <b>2019</b> , 3, 035009   | 30 |
| 340 | Homotopy Analysis Method. <b>2019</b> , 149-156  | 1  |
| 339 | On the convective heat and zero nanoparticle mass flux conditions in the flow of 3D MHD Couple Stress nanofluid over an exponentially stretched surface. <b>2019</b> , 9, 562          | 43 |
| 338 | Entropy generation in Darcy-Borchheimer flow of nanofluid with five nanoarticles due to stretching cylinder. <b>2019</b> , 9, 1649-1659  | 14 |
| 337 | Numerical Method for Fractional Model of Newell-Whitehead-Segel Equation. <b>2019</b> , 7,   | 4  |
| 336 | Thin Film Flow of Micropolar Fluid in a Permeable Medium. <b>2019</b> , 9, 98  | 15 |
| 335 | Supersonic nonlinear flutter of cross-ply laminated shallow shells. <b>2019</b> , 233, 4696-4703   | 1  |
| 334 | Physical Aspects of MHD Nonlinear Radiative Heat Flux in Flow of Thixotropic Nanomaterial. <b>2019</b> , 43, 2043-2054   | 3  |
| 333 | Fractional Derivatives with Mittag-Leffler Kernel. <b>2019</b> ,   | 14 |
| 332 | Model of Coupled System of Fractional Reaction-Diffusion Within a New Fractional Derivative Without Singular Kernel. <b>2019</b> , 293-308   | 1  |
| 331 | Entropy Generation of Carbon Nanotubes Flow in a Rotating Channel with Hall and Ion-Slip Effect Using Effective Thermal Conductivity Model. <b>2019</b> , 21,                          | 28 |
| 330 | Atangana-Baleanu Derivative with Fractional Order Applied to the Gas Dynamics Equations. <b>2019</b> , 235-251   | 7  |
| 329 | A hybrid investigation on numerical and analytical solutions of electro-magnetohydrodynamics flow of nanofluid through porous media with entropy generation. <b>2019</b> , 30, 834-854 | 90 |
| 328 | A theoretical investigation for mixed convection impact in non-Newtonian nanofluid stratified flow subjected to magnetic field. <b>2019</b> , 29, 2948-2963                            | 6  |
| 327 | The Comparison of Fourth Order Runge-Kutta and Homotopy Analysis Method for Solving Three Basic Epidemic Models. <b>2019</b> , 1317, 012020  | 1  |
| 326 | Application of Analytic Approximation Method Using HAM for Solving The Democratic Elections Model. <b>2019</b> , 1320, 012024  |    |
| 325 | Homotopy Analysis Method for a Fractional Order Equation with Dirichlet and Non-Local Integral Conditions. <b>2019</b> , 7, 1167   |    |
| 324 | New semi-analytical method for solving two point nth order fuzzy boundary value problem. <b>2019</b> , 9, 12   | 2  |

|     |   |       |
|-----|---|-------|
| 323 | . <b>2019</b> ,   | 18    |
| 322 | Mass Transpiration in Nonlinear MHD Flow Due to Porous Stretching Sheet. <b>2019</b> , 9, 18484   | 20    |
| 321 | Q-Homotopy Analysis Aboodh Transform Method based solution of proportional delay time-fractional partial differential equations. <b>2019</b> , 22, 931-950  | 13    |
| 320 | Nonlinear stability and thermomechanical analysis of hydromagnetic Falkner-Skan Casson conjugate fluid flow over an angular geometric surface based on Buongiorno's model using homotopy analysis method and its extension. <b>2019</b> , 92, 1 | 6     |
| 319 | Cattaneo-Christov model for electrical magnetite micropolar Casson ferrofluid over a stretching/shrinking sheet using effective thermal conductivity model. <b>2019</b> , 13, 100352  | 48    |
| 318 | Effective Prandtl Number Model Influences on the $(\gamma_{Al}_2O_3)(\gamma_{H}_2O)$ and $(\gamma_{Al}_2O_3)(\gamma_{C}_2H_6O)_2$ Nanofluids Spray Along a Stretching Cylinder. <b>2019</b> , 44, 1601-1616                                     | 29    |
| 317 | On the optimal selection of the linear operator and the initial approximation in the application of the homotopy analysis method to nonlinear fractional differential equations. <b>2019</b> , 137, 203-212                                     | 25    |
| 316 | Homotopy perturbation method with an auxiliary parameter for nonlinear oscillators. <b>2019</b> , 38, 1540-1554   | 67    |
| 315 | Homotopy analysis method for the Sakiadis flow of a thixotropic fluid. <b>2019</b> , 134, 1   | 6     |
| 314 | A homotopy technique for a fractional order multi-dimensional telegraph equation via the Laplace transform. <b>2019</b> , 134, 1  | 40    |
| 313 | On Use of Expanding Parameters and Auxiliary Term in Homotopy Perturbation Method for Boussinesq Equation with Tidal Condition. <b>2019</b> , 24, 109-120   | 1     |
| 312 | Convective radiative plane Poiseuille flow of nanofluid through porous medium with slip: An application of Stefan blowing. <b>2019</b> , 273, 292-304   | 180   |
| 311 | Nonlinear thermal radiation and chemical reaction effects on Maxwell fluid flow with convectively heated plate in a porous medium. <b>2019</b> , 48, 744-759  | 63    |
| 310 | A new homotopy-based approach for structural stochastic analysis. <b>2019</b> , 55, 42-53   | 1     |
| 309 | A new approximate method and its convergence for a strongly nonlinear problem governing electrohydrodynamic flow of a fluid in a circular cylindrical conduit. <i>Applied Mathematics and Computation</i> , <b>2019</b> , 341, 335-347          | 2.7 5 |
| 308 | A hybrid computational approach for Jeffery-Hamel flow in non-parallel walls. <b>2019</b> , 31, 2407-2413   | 26    |
| 307 | A fast and accurate computational technique for efficient numerical solution of nonlinear singular boundary value problems. <b>2019</b> , 96, 51-72   | 15    |
| 306 | Heat Transfer Performance on Longitudinal Porous Fins with Temperature-Dependent Heat Generation, Heat Transfer Coefficient and Surface Emissivity. <b>2019</b> , 43, 383-391   | 3     |

|     |   |    |
|-----|---|----|
| 305 | Heat Transfer Characteristics in Oscillatory Hydromagnetic Channel Flow of Maxwell Fluid Using Cattaneo-Christov Model. <b>2019</b> , 89, 377-385   | 5  |
| 304 | Effects of radiation on mixed convection stagnation-point flow of MHD third-grade nanofluid over a vertical stretching sheet. <b>2019</b> , 135, 533-549  | 16 |
| 303 | Robust collaborative representation-based classification via regularization of truncated total least squares. <b>2019</b> , 31, 5689-5697   | 10 |
| 302 | Application of weighted homotopy analysis method to solve an inverse source problem for wave equation. <b>2019</b> , 27, 61-88  | 2  |
| 301 | Analytical Solution of Exothermic Reactions Model with Constant Heat Source and Porous Medium. <b>2020</b> , 90, 239-243  | 1  |
| 300 | q-homotopy analysis method for fractional Bloch model arising in nuclear magnetic resonance via the Laplace transform. <b>2020</b> , 94, 507-520  | 15 |
| 299 | Flow of Fe <sub>3</sub> O <sub>4</sub> nanofluid with dust and nanoparticles. <b>2020</b> , 10, 3115-3122   | 7  |
| 298 | Entropy analysis and nanofluid past a double stretchable spinning disk using Homotopy Analysis Method. <b>2020</b> , 171, 152-169   | 23 |
| 297 | Conformable variational iteration method, conformable fractional reduced differential transform method and conformable homotopy analysis method for non-linear fractional partial differential equations. <b>2020</b> , 30, 250-268 | 15 |
| 296 | Magnetohydrodynamic flow of Maxwell nanofluid with binary chemical reaction and Arrhenius activation energy. <b>2020</b> , 10, 2951-2963  | 8  |
| 295 | Transportation of radiative energy in viscoelastic nanofluid considering buoyancy forces and convective conditions. <b>2020</b> , 130, 109415   | 78 |
| 294 | The impact of the Marangoni convection and magnetic field versus blood-based carbon nanotube nanofluids. <b>2020</b> , 234, 37-46   | 4  |
| 293 | A new analysis of fractional Drinfeld-Sokolov-Wilson model with exponential memory. <b>2020</b> , 537, 122578   | 74 |
| 292 | Homogeneous and heterogeneous reactions in a nanofluid flow due to a rotating disk of variable thickness using HAM. <b>2020</b> , 168, 90-110   | 30 |
| 291 | Rheology of mixed convective Casson nanofluid in a convectively heated stratified medium. <b>2020</b> , 10, 3227-3233   | 2  |
| 290 | Thermally stratified Darcy-Borchheimer nanofluid flow comprising carbon nanotubes with effects of Cattaneo-Christov heat flux and homogeneous-heterogeneous reactions. <b>2020</b> , 95, 015701                                     | 14 |
| 289 | Analytical solution of Newtonian nanofluid flow in a tapered artery based on a consistent couple stress theory. <b>2020</b> , 56, 459-476   | 4  |
| 288 | Hydromagnetic squeezed flow of second-grade nanomaterials between two parallel disks. <b>2020</b> , 139, 2067-2077  | 7  |

|     |   |    |
|-----|---|----|
| 287 | Approximate limit cycles of coupled nonlinear oscillators with fractional derivatives. <b>2020</b> , 77, 1294-1309  | 4  |
| 286 | An Avant-Garde Handling of Temporal-Spatial Fractional Physical Models. <b>2020</b> , 21, 183-194   | 12 |
| 285 | Entropy optimized dissipative CNTs based flow with probable error and statistical declaration. <b>2020</b> , 185, 105137  | 0  |
| 284 | MHD thin film flow of kerosene oil based CNTs nanofluid under the influence of Marangoni convection. <b>2020</b> , 95, 015702   | 13 |
| 283 | Explicit dispersion relation for strongly nonlinear flexural waves using the homotopy analysis method. <b>2020</b> , 99, 737-752  | 4  |
| 282 | Development of thixotropic nanomaterial in fluid flow with gyrotactic microorganisms, activation energy, mixed convection. <b>2020</b> , 187, 105186  | 32 |
| 281 | Numerical solution of time-fractional three-species food chain model arising in the realm of mathematical ecology. <b>2020</b> , 13, 2050011  | 7  |
| 280 | A comprehensive finite element examination of Carreau Yasuda fluid model in a lid driven cavity and channel with obstacle by way of kinetic energy and drag and lift coefficient measurements. <b>2020</b> , 9, 1785-1800 | 11 |
| 279 | Influence of Soret and Dufour on Three-Dimensional MHD Flow Considering Thermal Radiation and Chemical Reaction. <b>2020</b> , 6, 1   | 1  |
| 278 | On exact solutions for time-fractional Korteweg-de Vries and Korteweg-de Vries-Burger equations using homotopy analysis transform method. <b>2020</b> , 63, 149-162   | 63 |
| 277 | An Efficient Scheme for Time-Dependent Emden-Fowler Type Equations Based on Two-Dimensional Bernstein Polynomials. <b>2020</b> , 8, 1473  | 2  |
| 276 | Numerical Simulation of the Fractal-Fractional Ebola Virus. <b>2020</b> , 4, 49   | 15 |
| 275 | Wavelet-based homotopy method for analysis of nonlinear bending of variable-thickness plate on elastic foundations. <b>2020</b> , 157, 107105   | 2  |
| 274 | On solution of fractional partial differential equation by the weighted fractional operator. <b>2020</b> , 59, 4805-4819  | 4  |
| 273 | The novel Leal-polynomials for the multi-expansive approximation of nonlinear differential equations. <b>2020</b> , 6, e03695   | 1  |
| 272 | Analytical evaluation of Oldroyd-B nanoliquid under thermo-solutal Robin conditions and stratifications. <b>2020</b> , 196, 105474  | 5  |
| 271 | An analytical solution for nonlinear vibration and post-buckling of functionally graded pipes conveying fluid considering the rotary inertia and shear deformation effects. <b>2020</b> , 101, 102277                     | 11 |
| 270 | New modified decomposition method (DRMA) for solving MHD viscoelastic fluid flow: comparative study. <b>2020</b> , 1-9  | 9  |

|     |   |    |
|-----|---|----|
| 269 | Featuring the radiative transmission of energy in viscoelastic nanofluid with swimming microorganisms. <b>2020</b> , 117, 104788  | 2  |
| 268 | Nonlinear control for soliton interactions in optical fiber systems. <b>2020</b> , 101, 1215-1220   | 6  |
| 267 | Novel Approaches for Getting the Solution of the Fractional Black-Scholes Equation Described by Mittag-Leffler Fractional Derivative. <b>2020</b> , 2020, 1-11  | 3  |
| 266 | Effects of Variable Viscosity on Asymmetric Flow of Non-Newtonian Fluid Driven Through an Expanding/Contracting Channel Containing Porous Walls. <b>2020</b> , 45, 9471-9480                          | 5  |
| 265 | Homotopy Analysis Method for Three Types of Fractional Partial Differential Equations. <b>2020</b> , 2020, 1-13   | 3  |
| 264 | Mixed convective flow of an Oldroyd-B nanofluid impinging over an unsteady bidirectional stretching surface with the significances of double stratification and chemical reaction. <b>2020</b> , 2, 1 | 10 |
| 263 | The Shape Effect of Gold Nanoparticles on Squeezing Nanofluid Flow and Heat Transfer between Parallel Plates. <b>2020</b> , 2020, 1-12  | 16 |
| 262 | . <b>2020</b> , 8, 203674-203684  | 0  |
| 261 | Mathematical models for ECE reactions at rotating disk electrodes using homotopy analysis method. <b>2020</b> ,   |    |
| 260 | Homotopy Analysis Method to Solve Two-Dimensional Nonlinear Volterra-Fredholm Fuzzy Integral Equations. <b>2020</b> , 4, 9  | 2  |
| 259 | Controlling of the melting through porous medium and magnetic field. <b>2020</b> , 002029402091991  | 1  |
| 258 | Free convective heat transfer in Jeffrey fluid with suspended nanoparticles and Cattaneo-Christov heat flux. <b>2020</b> , 234, 99-114  |    |
| 257 | Homotopy analysis of the Lippmann-Schwinger equation for seismic wavefield modelling in strongly scattering media. <b>2020</b> , 222, 743-753   | 7  |
| 256 | Modelling of fluid flow through porous media using memory approach: A review. <b>2020</b> , 177, 643-673  | 8  |
| 255 | Periodic Solution of Nonlinear Conservative Systems. <b>2020</b> ,  | 2  |
| 254 | Multiple breathers and high-order rational solutions of the new generalized (3+1)-dimensional Kadomtsev-Petviashvili equation. <b>2020</b> , 135, 1   | 3  |
| 253 | A fractional analysis of Noyes-Field model for the nonlinear Belousov-Zhabotinsky reaction. <b>2020</b> , 39, 1   | 31 |
| 252 | A Laguerre spectral method for quadratic optimal control of nonlinear systems in a semi-infinite interval. <b>2020</b> , 61, 461-474  |    |



|     |  |    |
|-----|--|----|
| 251 | A new non-perturbative approach in quantum mechanics for time-independent Schrödinger equations. <b>2020</b> , 63, 1   | 3  |
| 250 | Boundary-domain integral method and homotopy analysis method for systems of nonlinear boundary value problems in environmental engineering. <b>2020</b> , 27, 121-133      |    |
| 249 | Analytical Solution of UCM Viscoelastic Liquid with Slip Condition and Heat Flux over Stretching Sheet: The Galerkin Approach. <b>2020</b> , 2020, 1-7                     | 5  |
| 248 | Exploring the Novel Continuum-Cancellation Leal-Method for the Approximate Solution of Nonlinear Differential Equations. <b>2020</b> , 2020, 1-19                          | 1  |
| 247 | Computational study of time-fractional porous medium equation arising in fluid flow through a water-wet porous media. <b>2020</b> , 09, 2050007                            |    |
| 246 | Mathematical modelling of fingering phenomenon using Homotopy analysis method. <b>2020</b> ,   | 2  |
| 245 | A novel semi-analytical solution to Jeffery-Hamel equation. <b>2020</b> , 4, 075009  | 1  |
| 244 | Boundary layer flow due to a nonlinear stretching curved surface with convective boundary condition and homogeneous-heterogeneous reactions. <b>2020</b> , 551, 123996     | 19 |
| 243 | Hydromagnetic flow of Jeffrey nanofluid due to a curved stretching surface. <b>2020</b> , 551, 124060  | 50 |
| 242 | Fractional generalised homotopy analysis method for solving nonlinear fractional differential equations. <b>2020</b> , 39, 1   | 9  |
| 241 | New analytical method for solving nonlinear equation in rotating disk electrodes for second-order ECE reactions. <b>2020</b> , 869, 114106                                 | 7  |
| 240 | An improved optimal homotopy analysis algorithm for nonlinear differential equations. <b>2020</b> , 488, 124089  | 7  |
| 239 | Axial dynamic response of concrete-filled tapered fiber reinforced polymer piles in a transversely isotropic medium. <b>2020</b> , 123, 103557                             | 6  |
| 238 | Assessment of Structural Monitoring by Analyzing Some Modal Parameters: An Extended Inventory of Methods and Developments. <b>2021</b> , 28, 1575-1590                     |    |
| 237 | An efficient computational technique for time-fractional modified Degasperis-Procesi equation arising in propagation of nonlinear dispersive waves. <b>2021</b> , 6, 30-39 | 12 |
| 236 | The optimal homotopy analysis method applied on nonlinear time-fractional hyperbolic partial differential equations. <b>2021</b> , 37, 2008-2022                           | 0  |
| 235 | Analytic radiation model for perfect fluid under homotopy perturbation method. <b>2021</b> , 95, 1581-1588   | 1  |
| 234 | Two efficient computational technique for fractional nonlinear Hirota-Batsuma coupled KdV equations. <b>2021</b> , 38, 791-818   | 5  |

|     |  |    |
|-----|--|----|
| 233 | MHD bioconvection Darcy-Forchheimer flow of Casson nanofluid over a rotating disk with entropy optimization. <b>2021</b> , 50, 2168-2196                       | 7  |
| 232 | An efficient numerical approach for fractional multidimensional diffusion equations with exponential memory. <b>2021</b> , 37, 1631-1651                       | 25 |
| 231 | New Mathematical Analysis for Nonlinear Simultaneous Differential Equation in Micro-Disk Biosensor Using Hyperbolic Function Method. <b>2021</b> , 880, 114827 | 1  |
| 230 | A kinetic model for amperometric immobilized enzymes at planar, cylindrical and spherical electrodes: The Akbari-Ganji method. <b>2021</b> , 880, 114921       | 10 |
| 229 | Nonlinear Mixed Convection Impact on Radiated Flow of Nanomaterials Subject to Convective Conditions. <b>2021</b> , 46, 2349-2359                              | 2  |
| 228 | Rheology of hydromagnetic viscoelastic fluid subjected to dissipation aspect. <b>2021</b> , 31, 1110-1123  |    |
| 227 | Irreversibility analysis in squeezing nanofluid flow with thermal radiation. <b>2021</b> , 17, 636-653   | 1  |
| 226 | Exact solutions of the generalized multidimensional mathematical physics models via sub-equation method. <b>2021</b> , 182, 211-233                            | 50 |
| 225 | A computational study of fractional model of atmospheric dynamics of carbon dioxide gas. <b>2021</b> , 142, 110375   | 15 |
| 224 | Simulating the joint impact of temporal and spatial memory indices via a novel analytical scheme. <b>2021</b> , 103, 2509-2524                                 | 10 |
| 223 | Solving two-dimensional nonlinear fuzzy Volterra integral equations by homotopy analysis method. <b>2021</b> , 54, 11-24                                       | 5  |
| 222 | Fractional Reduced Differential Transform Method for the Water Transport in Unsaturated Porous Media. <b>2021</b> , 7, 1                                       | 1  |
| 221 | The use of homotopy analysis method for solving generalized Sylvester matrix equation with applications. 1   | 5  |
| 220 | Modified homotopy methods for generalized fractional perturbed Zakharov-Kuznetsov equation in dusty plasma. <b>2021</b> , 2021,                                | 34 |
| 219 | Numerical simulation of the fractal-fractional reaction diffusion equations with general nonlinear. <b>2021</b> , 6, 3788-3804                                 | 16 |
| 218 | Analytical study of time-fractional porous medium equation using homotopy analysis method. <b>2021</b> , ,   | 1  |
| 217 | Analytical expressions of non-steady state concentration profiles of chemical-clock reactions. <b>2021</b> ,   |    |
| 216 | Analytical study on steady free convection and mass transfer flow of a conducting micropolar fluid. <b>2021</b> ,  | 0  |

|     |   |    |
|-----|---|----|
| 215 | Application of the modified variational iteration method in the fourth-order Cahn-Hilliard equation BBM-Burgers equation. <b>2021</b> , 70, 1-7                     | 2  |
| 214 | Entropy Generation for MHD Maxwell Nanofluid Flow Past a Porous and Stretching Surface with Dufour and Soret Effects. <b>2021</b> , 51, 469-480                     | 12 |
| 213 | Radiative swirl motion of hydromagnetic Casson nanofluid flow over rotary cylinder using Joule dissipation impact. <b>2021</b> , 96, 045206                         | 14 |
| 212 | Analytical solutions for fluid flow triggered by a melting cylindrical surface in upper-convected Maxwell (UCM) fluid. <b>2021</b> , 121, 105059                    | 4  |
| 211 | A novel iterative method for solving chemical kinetics system. 146134842199261  | 2  |
| 210 | A Novel Stochastic Approach for Static Damage Identification of Beam Structures Using Homotopy Analysis Algorithm. <b>2021</b> , 21,                                | 0  |
| 209 | Three-Dimensional Rotating Flow of MHD Jeffrey Fluid Flow between Two Parallel Plates with Impact of Hall Current. <b>2021</b> , 2021, 1-9                          | 6  |
| 208 | On the time-fractional coupled Burger equation: Lie symmetry reductions, approximate solutions and conservation laws. 1-16  |    |
| 207 | A reliable numerical method for solving fractional reaction-diffusion equations. <b>2021</b> , 33, 101320   | 7  |
| 206 | Numerical Investigation of Time-Fractional Equivalent Width Equations That Describe Hydromagnetic Waves. <b>2021</b> , 13, 418                                      | 11 |
| 205 | Quasi-static quintication method for periodic solution of strong nonlinear oscillators. <b>2021</b> , 11, e00704  | 0  |
| 204 | An efficient semi-analytical method for solving the generalized regularized long wave equations with a new fractional derivative operator. <b>2021</b> , 33, 101345 | 13 |
| 203 | Heat transfer analysis of CNTs-water nanofluid flow between nonparallel plates: Approximate solutions. <b>2021</b> , 50, 4978-4992                                  | 3  |
| 202 | A Temporal-Spatial Spectrum Prediction Using the Concept of Homotopy Theory for UAV Communications. <b>2021</b> , 70, 3314-3324                                     | 2  |
| 201 | Solving Non Linear Differential Equations By Using A G - Homotopy Analysis Method. <b>2021</b> , 1850, 012065   | 0  |
| 200 | Analytical Study of ((3+1))-Dimensional Fractional-Reaction Diffusion Trimolecular Models. <b>2021</b> , 7, 1   | 7  |
| 199 | A New Analysis of Fractional-Order Equal-Width Equations via Novel Techniques. <b>2021</b> , 13, 886  | 27 |
| 198 | Hydromagnetic Flow Over a Heated Stretching Surface. <b>2021</b> , 332-338  |    |

|     |  |    |
|-----|--|----|
| 197 | A non-linear mathematical analysis of thermally radiative stratified nanoliquid featuring the aspects of magnetic field, Robin conditions and thermal radiation. <b>2021</b> , 125, 105199 | 6  |
| 196 | Numerical simulation for coupled nonlinear Schrödinger-Korteweg-de Vries and Maccari systems of equations. <b>2021</b> , 35, 2150339   | 13 |
| 195 | Amperometric biosensors in an uncompetitive inhibition processes: a complete theoretical and numerical analysis. <b>2021</b> , 133, 655  | 5  |
| 194 | Numerical Algorithm for Solution of the System of Emden-Fowler Type Equations. <b>2021</b> , 7, 1  | 2  |
| 193 | An Integrated Genetic Algorithm and Homotopy Analysis Method to Solve Nonlinear Equation Systems. <b>2021</b> , 2021, 1-14   | 2  |
| 192 | MHD hybrid nanofluid flow comprising the medication through a blood artery. <b>2021</b> , 11, 11621  | 30 |
| 191 | Heat and mass transfer in an unsteady squeezed Casson fluid flow with novel thermophysical properties: Analytical and numerical solution.  | 8  |
| 190 | An efficient hybrid computational technique for the time dependent Lane-Emden equation of arbitrary order. <b>2021</b> ,   | 2  |
| 189 | Similarity solutions for strong shock waves in non-ideal magnetogasdynamics under the effect of monochromatic radiation. <b>2021</b> , 33, 077109  | 2  |
| 188 | Natural Transform along with HPM Technique for Solving Fractional ADE. <b>2021</b> , 2021, 1-11  | 3  |
| 187 | Numerical Investigation of Fractional-Order Swift-Hohenberg Equations via a Novel Transform. <b>2021</b> , 13, 1263  | 44 |
| 186 | Numerical Approaches to time Fractional Boussinesq-Burgers Equations.  | 4  |
| 185 | Thermal improvement in magnetized nanofluid for multiple shapes nanoparticles over radiative rotating disk. <b>2021</b> , 61, 2318-2318  | 9  |
| 184 | Numerical study of forced imbibition phenomenon in fluid flow through a water-wet porous media. 2150016  |    |
| 183 | Gravitational Decoupling in Higher Order Theories. <b>2021</b> , 13, 1598  | 3  |
| 182 | A comparative analysis of two computational schemes for solving local fractional Laplace equations.  | 8  |
| 181 | Approximate solution of the electrostatic nanocantilever model via optimal perturbation iteration method. e1189  | 1  |
| 180 | Influence of Marangoni Convection on Magnetohydrodynamic Viscous Dissipation and Heat Transfer on Hybrid Nanofluids in a Rotating System among Two Surfaces. <b>2021</b> , 9, 2242         | 2  |

|     |   |    |
|-----|---|----|
| 179 | ANALYSIS OF TIME-FRACTIONAL BURGERS AND DIFFUSION EQUATIONS BY USING MODIFIED q-HATM. 2240012   | 0  |
| 178 | An effective computational method to deal with a time-fractional nonlinear water wave equation in the Caputo sense. <b>2021</b> , 187, 248-260          | 15 |
| 177 | New approximate-analytical solutions to partial differential equations via auxiliary function method. <b>2021</b> , 4, 100045                           | 9  |
| 176 | A Semi-Analytical Solution Approach for Solving Constant-Coefficient First-Order Partial Differential Equations. <b>2022</b> , 6, 704-709               | 1  |
| 175 | Approximate solution of two-dimensional Hammerstein-Volterra fuzzy integral equations with partial integrals. <b>2021</b> ,                             | 0  |
| 174 | Numerical treatment of nonlinear mixed Volterra-Fredholm integro-differential equations of fractional order. <b>2021</b> ,                              | 0  |
| 173 | Estimation of Rolling Motion of Ship in Random Beam Seas by Efficient Analytical and Numerical Approaches. <b>2021</b> , 20, 55-66                      | 5  |
| 172 | Semi analytical expressions of mixed convection micropolar fluid flow using the q-Homotopy analysis method. <b>2021</b> ,                               |    |
| 171 | Approximate analytical solution of non-linear reaction-diffusion equations in a cubic-autocatalytic reaction with Michaelis-Menten decay. <b>2021</b> , |    |
| 170 | Mathematical study on MHD fluid flow using homotopy analysis method. <b>2021</b> ,  |    |
| 169 | Passive control of magneto-nanomaterials transient flow subject to non-linear thermal radiation. <b>2021</b> , 169-169                                  | 8  |
| 168 | Numerical appraisal under the influence of the time dependent Maxwell fluid flow over a stretching sheet. <b>2021</b> , 44, 5265-5279                   | 9  |
| 167 | Mathematics of Complexity and Dynamical Systems. <b>2012</b> , 890-907  | 1  |
| 166 | Encyclopedia of Complexity and Systems Science. <b>2018</b> , 1-22  | 1  |
| 165 | MHD rotating flow of a viscous fluid over a shrinking surface. <b>2008</b> , 51, 259  | 1  |
| 164 | A powerful approach to study the new modified coupled Korteweg-de Vries system. <b>2020</b> , 177, 556-567  | 28 |
| 163 | MHD convective flow of magnetite-Fe <sub>3</sub> O <sub>4</sub> nanoparticles by curved stretching sheet. <b>2017</b> , 7, 3107-3115                    | 42 |
| 162 | Solving optimal control problems using the Picard iteration method. <b>2020</b> , 54, 1419-1435   | 2  |

|     |   |    |
|-----|---|----|
| 161 | CNTs-Nanofluid flow in a Rotating system between the gap of a disk and cone. <b>2020</b> , 95, 125202   | 20 |
| 160 | Visualization of non-linear convective Williamson liquid based on generalized heat-mass theories. <b>2021</b> , 96, 015218  | 1  |
| 159 | MHD stagnation point flow of hybrid nanofluid over a permeable cylinder with homogeneous and heterogenous reaction. <b>2021</b> , 96, 035201                                      | 6  |
| 158 | Marangoni flow and mass transfer of power-law non-Newtonian fluids over a disk with suction and injection. <b>2020</b> , 72, 095003   | 6  |
| 157 | Nonlinear Radiative Squeezed Flow of Nanofluid Subject to Chemical Reaction and Activation Energy. <b>2020</b> , 142,   | 12 |
| 156 | Analytical Solution of Nonlinear Boundary Value Problem for Fin Efficiency of Convective Straight Fins with Temperature-Dependent Thermal Conductivity. <b>2013</b> , 2013, 1-8   | 1  |
| 155 | Stagnation Point Flow of a Nanofluid toward an Exponentially Stretching Sheet with Nonuniform Heat Generation/Absorption. <b>2013</b> , 2013, 1-12                                | 80 |
| 154 | THE STUDY OF HEAT AND MASS TRANSFER IN A VISCO ELASTIC FLUID DUE TO A CONTINUOUS STRETCHING SURFACE USING HOMOTOPY ANALYSIS METHOD. <b>2014</b> , 4, 389-403                      | 1  |
| 153 | On Comparison of Series and Numerical Solutions for Flow of Eyring-Powell Fluid with Newtonian Heating And Internal Heat Generation/Absorption. <b>2015</b> , 10, e0129613        | 61 |
| 152 | Cattaneo-Christov Heat Flux Model for MHD Three-Dimensional Flow of Maxwell Fluid over a Stretching Sheet. <b>2016</b> , 11, e0153481   | 24 |
| 151 | A Comparative Study for Flow of Viscoelastic Fluids with Cattaneo-Christov Heat Flux. <b>2016</b> , 11, e0155185  | 39 |
| 150 | Model and Comparative Study for Flow of Viscoelastic Nanofluids with Cattaneo-Christov Double Diffusion. <b>2017</b> , 12, e0168824   | 38 |
| 149 | Radiative Flow of Powell-Eyring Magneto-Nanofluid over a Stretching Cylinder with Chemical Reaction and Double Stratification near a Stagnation Point. <b>2017</b> , 12, e0170790 | 43 |
| 148 | Mixed convection flow by a porous sheet with variable thermal conductivity and convective boundary condition. <b>2014</b> , 31, 109-117   | 21 |
| 147 | Soret and Dufour effects on chemically reacting mixed convection flow in an annulus with Navier slip and convective boundary conditions. <b>2019</b> , 4, 475-488                 | 7  |
| 146 | Nonlinear sub-diffusion and nonlinear sub-diffusion dispersion equations and their proposed solutions. <b>2020</b> , 5, 221-236   | 1  |
| 145 | Lineer olmayan dinamik teorisi için $(1/G')$ -ailesi metodunu kullanarak Kuramoto-Sivashinsky denkleminin karmaşık hiperbolik yığın dalga çözümleri. 590-599                      | 13 |
| 144 | Serious Solutions for Unsteady Axisymmetric Flow over a Rotating Stretchable Disk with Deceleration. <b>2020</b> , 12, 96   | 1  |

|     |   |    |
|-----|---|----|
| 143 | Effects of Second-Order Velocity Slip and the Different Spherical Nanoparticles on Nanofluid Flow. <b>2021</b> , 13, 64   | 2  |
| 142 | The Numerical Solution of Burger's Equation Arising into the Irradiation of Tumour Tissue in Biological Diffusing System by Homotopy Analysis Method. <b>2011</b> , 5, 60-66                            | 11 |
| 141 | Application of Homotopy Analysis Method and Variational Iteration Method for Shock Wave Equation. <b>2008</b> , 8, 848-853  | 9  |
| 140 | Assessment of HAM and PEM to Find Analytical Solution for Calculating Displacement Functions of Geometrically Nonlinear Prestressed Cable Structures with Concentrated Mass. <b>2009</b> , 9, 2264-2271 | 2  |
| 139 | A Comparison Between Adomian's Decomposition Method and the Homotopy Perturbation Method for Solving Nonlinear Differential Equations. <b>2012</b> , 12, 793-797  | 3  |
| 138 | Analytical Solution of the Non-Linear Equation in Biodegradation of N-Butanol in a Biofilter. <b>2020</b> , 11, 172-186   | 1  |
| 137 | A New Analytical Study of Modified Camassa-Holm and Degasperis-Procesi Equations. <b>2015</b> , 05, 267-273   | 6  |
| 136 | Theoretical Analysis of Mass Transfer with Chemical Reaction Using Absorption of Carbon Dioxide into Phenyl Glycidyl Ether Solution. <b>2012</b> , 03, 1179-1186  | 7  |
| 135 | Non-Linear Mathematical Model of the Interaction between Tumor and Oncolytic Viruses. <b>2012</b> , 03, 1089-1096   | 2  |
| 134 | A Mathematical Approach Based on the Homotopy Analysis Method: Application to Solve the Nonlinear Harry-Dym (HD) Equation. <b>2017</b> , 08, 1546-1562  | 2  |
| 133 | A two-parameter mathematical model for immobilized enzymes and Homotopy analysis method. <b>2011</b> , 03, 556-565  | 1  |
| 132 | Analytical expressions of steady-state concentrations of species in potentiometric and amperometric biosensor. <b>2012</b> , 04, 1029-1041  | 1  |
| 131 | Approximate Analytical Solutions of Fractional Coupled mKdV Equation by Homotopy Analysis Method. <b>2012</b> , 02, 193-197   | 1  |
| 130 | Squeezing Flow of Micropolar Nanofluid between Parallel Disks. <b>2016</b> , 21, 476-489  | 5  |
| 129 | Encyclopedia of Complexity and Systems Science. <b>2009</b> , 5143-5161   | 1  |
| 128 | Analytic approximation for the soliton solution of the discrete modified KdV equation. <b>2010</b> , 59, 3668   | 2  |
| 127 | The approximate homotopy symmetry reduction for far-field model equation. <b>2011</b> , 60, 120201  | 2  |
| 126 | The Optimal Variational Iteration Method. <b>2012</b> , 259-311   |    |

125 Introduction. **2012**, 1-5

124 Principles of Homotopy Analysis. **2012**, 7-52

1

123 On the Homotopy Analysis Method and Optimal Value of the Convergence Control Parameter: Solution of Euler-Lagrange Equation. **2012**, 03, 873-881

1

122 Analytical Expressions of Concentrations inside the Cationic Glucose-Sensitive Membrane. **2012**, 03, 373-381

121 ADOMIAN POLYNOMIALS: A POWERFUL TOOL FOR ITERATIVE METHODS OF SERIES SOLUTION OF NONLINEAR EQUATIONS. **2012**, 2, 381-394

2

120 APPLICATION OF HOMOTOPY ANALYSIS METHOD FOR SOLVING A CLASS OF NONLINEAR VOLTERRA-FREDHOLM INTEGRO-DIFFERENTIAL EQUATIONS. **2012**, 2, 127-136

3

119 Solution of non-linear boundary value problems in immobilized glucoamylase kinetics. **2013**, 05, 478-494

118 The Solutions for the Eco-Epidemic Model with Homotopy Analysis Method. **2013**, 05, 446-449

117 New Solution of Substrate Concentration in the Biosensor Response by Discrete Homotopy Analysis Method. **2013**, 01, 27-32

116 Encyclopedia of Complexity and Systems Science. **2014**, 1-28

115 ANALYTICAL EXPRESSIONS FOR EXOTHERMIC EXPLOSIONS IN A SLAB. **2014**, 1, 22-37

1

114 Stability of Optimization Trajectories for Designing Analog Circuits. **2015**, 71-101

113 Classical and Fractional Order Stochastic Neutron Point Kinetic Model. **2015**, 130-159

112 An improved homotopy analysis method with accelerated convergence for nonlinear problems. **2016**, 18, 4756-4765

111 Homotopy Analysis Aboodh Transform Method for Nonlinear System of Partial Differential Equations. 244-253

0

110 A Reliable Analytical Algorithm for Cubic Isothermal Auto-Catalytic Chemical System. **2019**, 243-260

109 Comparison between Homotopy Analysis Method (HAM) and Variational Iteration Method (VIM) in Solving the Nonlinear Wave Propagation Equations in Shallow Water. **2019**, 2, 37-46

108 Approximate Limit Cycles for Vortex-Induced Vibration of a Sprung Cylinder. **2020**, 15,



107 Mathematical Preliminaries. **2020**, 1-53

106 Approximate solutions for HBV infection with stability analysis using LHAM during antiviral therapy. **2020**, 2020, 80

1

105 Computational Technique for Fractional Model of Electrical Circuits. **2021**, 719-730

104 Unsteady Electrohydrodynamic Stagnation Point Flow of Hybrid Nanofluid Past a Convective Heated Stretch/Shrink Sheet. **2021**, 2021, 1-9

1

103 Combination of Two Powerful Methods for Solving Nonlinear Partial Differential Equations. 121-138

102 Peregrine Solitons of the Higher-Order, Inhomogeneous, Coupled, Discrete, and Nonlocal Nonlinear Schrödinger Equations. **2020**, 8,

1

101 A Hybrid Computational Technique for Time-Fractional Newell-Whitehead-Segel Equation via Sumudu Transform. **2020**, 1-14

100 Encyclopedia of Ocean Engineering. **2020**, 1-8

99 Non-Differentiable Solution of Nonlinear Biological Population Model on Cantor Sets. **2020**, 4, 5

1

98 Homotopy Analysis Method. 173-226

97 Solving a source distribution in heat conduction equation by homotopy analysis method. **2020**, 1707, 012022

1

96 Thermal Radiation and Magnetohydrodynamics Effect on Unsteady Squeezing Non-Newtonian Nanofluids with Heat and Mass Transfer. **2021**, 10, 388-407

95 The Dynamics of H2O Suspended by Multiple Shaped Cu Nanoadditives in Rotating System. **2021**, 2021, 1-11

3

94 The electrical magnetohydrodynamic (MHD) and shape factor impacts in a mixture fluid suspended by hybrid nanoparticles between non-parallel plates. 095440892110579

3

93 Heat Transfer Impacts on Maxwell Nanofluid Flow over a Vertical Moving Surface with MHD Using Stochastic Numerical Technique via Artificial Neural Networks. **2021**, 11, 1483

8

92 Solution of Burgers Equation appears in fluid mechanics by multistage optimal homotopy asymptotic method. **2021**, 343-343

1

91 Analytical investigation of magnetized 2D hybrid nanofluid (GO + ZnO + blood) flow through a perforated capillary.. **2022**, 1-13

2

90 A linearization-based computational algorithm of homotopy analysis method for nonlinear reaction-diffusion systems. **2022**, 194, 505-522

4

|    |  |   |
|----|--|---|
| 89 | Study of Rolling Motion of Ships in Random Beam Seas with Nonlinear Restoring Moment and Damping Effects Using Neuroevolutionary Technique.. <b>2022</b> , 15,                             | 3 |
| 88 | An efficient analytical scheme with convergence analysis for computational study of local fractional Schrödinger equations. <b>2022</b> ,  | 7 |
| 87 | An Improved Perturbation Method to Study Korteweg-de Vries-Burgers Equation. <b>2022</b> , 91,   | 1 |
| 86 | Applications of New Iterative Method to fractional non linear coupled ITO system. 40, 1-10   |   |
| 85 | On the structure of unsteady Korteweg-de Vries model arising in shallow water. <b>2022</b> ,   | 0 |
| 84 | An Analytical Study of Internal Heating and Chemical Reaction Effects on MHD Flow of Nanofluid with Convective Conditions. <b>2021</b> , 11, 1523  | 5 |
| 83 | Analysis of local fractional coupled Helmholtz and coupled Burgers' equations in fractal media. <b>2022</b> , 7, 8080-8111   | 6 |
| 82 | Solving Volterra-Fredholm fuzzy integro-differential equations by using homotopy analysis method. <b>2022</b> ,  |   |
| 81 | Chemical entropy generation and second-order slip condition on hydrodynamic Casson nanofluid flow embedded in a porous medium: a fast convergent method. <b>2022</b> , 30,                 | 1 |
| 80 | Analytical Investigation of the Time-Dependent Stagnation Point Flow of a CNT Nanofluid over a Stretching Surface.. <b>2022</b> , 12,  | 1 |
| 79 | Numerical simulation of unsteady ethylene glycol/CNTs micropolar nanofluid flow through a squeezing channel: An approach to industrial applications.                                       | 0 |
| 78 | The homotopy simulation of MHD time dependent three dimensional shear thinning fluid flow over a stretching plate. <b>2022</b> , 157, 111888   | 2 |
| 77 | MHD flow and heat transfer between two rotating disks under the effects of nanomaterials (MoS <sub>2</sub> ) and thermal radiation. <b>2022</b> , 33, 101968                               | 2 |
| 76 | Semi Analytic Solution of Hodgkin-Huxley Model by Homotopy Perturbation Method. <b>2021</b> , 825-842  |   |
| 75 | Fractal-Fractional Michaelis-Menten Enzymatic Reaction Model via Different Kernels. <b>2022</b> , 6, 13  | 9 |
| 74 | Numerical investigation of fractional model of Phytoplankton-Toxic Phytoplankton-Zooplankton system with convergence analysis.   | 6 |
| 73 | Impact of the KKL Correlation Model on the Activation of Thermal Energy for the Hybrid Nanofluid (GO+ZnO+Water) Flow through Permeable Vertically Rotating Surface. <b>2022</b> , 15, 2872 | 7 |
| 72 | Reliable solutions to fractional Lane-Emden equations via Laplace transform and residual error function. <b>2022</b> , 61, 10551-10562   | 7 |

71 datasheet1.pdf. **2020**,

70 image1.eps. **2020**,

69 Mathematical modeling and analysis of the effect of the rugose spiraling whitefly on coconut trees. **2022**, 7, 13053-13073

0

68 An Investigation of Fractional One-Dimensional Groundwater Recharge by Spreading Using an Efficient Analytical Technique. **2022**, 6, 249

67 Numerical and analytical solutions for unsteady nanofluid flow capturing magneto-hydrodynamic and radiation effects. 1-21

66 Nonlinear thermal radiation on MHD tangential hyperbolic hybrid nanofluid over a stretching wedge with convective boundary condition.

65 Entropy Generation Minimization for Radiative Casson Fluid Flow through Permeable Walls and Convective Heating: A Comprehensive Numerical Investigation. 415, 21-38

1

64 An efficient computational technique for class of generalized Boussinesq shallow-water wave equations. **2022**,

0

63 Homotopy analysis approach to study the dynamics of fractional deterministic Lotka-Volterra model. **2022**, 29, 121-128

0

62 Analytical Simulation of Heat and Mass Transmission in Casson Fluid Flow across a Stretching Surface. **2022**, 2022, 1-11

1

61 Semi-analytical and Numerical Study on Equatorial Rossby Solitary Waves Under Non-traditional Approximation. **2022**, 69-92

60 Solving Fractional-Order Diffusion Equations in a Plasma and Fluids via a Novel Transform. **2022**, 2022, 1-19

5

59 Neuro-Computing for Hall Current and MHD Effects on the Flow of Micro-Polar Nano-Fluid Between Two Parallel Rotating Plates.

2

58 Computational Technique to Study Analytical Solutions to the Fractional Modified KDV-Zakharov-Kuznetsov Equation. **2022**, 2022, 1-9

2

57 Transport of chemically reactive thixotropic nanofluid flow by convectively heated porous surface. **2022**, 139742

0

56 Homotopy perturbation method on wave propagation in a transversely isotropic thermoelastic two-dimensional plate with gravity field. 1-13

3

55 Analytical Analysis of Fractional-Order Newell-Whitehead-Segel Equation: A Modified Homotopy Perturbation Transform Method. **2022**, 2022, 1-10

4

54 Burgers ve coupled Burgers denklemlerinin tam ve nümerik çözümleri üzerine. **2022**, 12, 1-10

53 Homotopy Analysis Method. **2022**, 708-715

52 Impact of awareness program on diabetes mellitus described by fractional-order model solving by homotopy analysis method. ○

51 Investigation of Nonlinear Fluid Flow Equation in a Porous Media and Evaluation of Convection Heat Transfer Coefficient, by Taking the Forchheimer Term into Account. **2022**, 11, 598-603 1

50 Two New Modifications of the Exp-Function Method for Solving the Fractional-Order Hirota-Satsuma Coupled KdV. **2022**, 2022, 1-12

49 The modified KdV equation for a nonlinear evolution problem with perturbation technique. ○

48 Analytical Study of Fractional Epidemic Model via Natural Transform Homotopy Analysis Method. **2022**, 14, 1695 ○

47 Analytical analysis of the magnetic field, heat generation and absorption, viscous dissipation on couple stress casson hybrid nano fluid over a nonlinear stretching surface. **2022**, 16, 100601 1

46 Approximate solution of nonlinear Volterra-Fredholm fuzzy integral equations. **2022**, ○

45 Assessment of irreversibility optimization in Casson nanofluid flow with leading edge accretion or ablation. ○

44 STUDY ON THE APPLICATIONS OF SEMI-ANALYTICAL METHOD FOR THE CONSTRUCTION OF NUMERICAL SOLUTIONS OF THE BURGERS' EQUATION. ○

43 Dynamic pathways for the bioconvection in thermally activated rotating system. ○

42 Solution of fuzzy differential equation using homotopy analysis method. **2022**, 1

41 Computational study of Klein-Gordan equation using homotopy analysis method. **2022**, ○

40 Computational Analysis of Fractional Diffusion Equations Occurring in Oil Pollution. **2022**, 10, 3827 3

39 Homotopy Analysis Transform Method. **2022**, 147-159 ○

38 New Series Approach Implementation for Solving Fuzzy Fractional Two-Point Boundary Value Problems Applications. **2022**, 2022, 1-13 ○

37 Unsteady Electro-Hydrodynamic Stagnating Point Flow of Hybridized Nanofluid via a Convectively Heated Enlarging (Dwindling) Surface with Velocity Slippage and Heat Generation. **2022**, 14, 2136 ○

36 Steady Three-Dimensional MHD Mixed Convection Couple Stress Flow of Hybrid Nanofluid with Hall and Ion Slip Effect. **2022**, 2022, 1-11 ○

- 35 q-Homotopy Analysis Transform Method. **2022**, 169-181 ○
- 34 A symplectic homotopy perturbation method for stochastic and interval Hamiltonian systems and its applications in structural dynamic systems. **2022**, 41, ○
- 33 Homotopy Analysis Method. **2022**, 139-145 ○
- 32 Thermodynamics of second-grade nanofluid over a stretchable rotating porous disk subject to Hall current and cubic autocatalysis chemical reactions. 10, ○
- 31 Impact of Buongiorno's nanofluid model on magnetically driven non-newtonian rheological fluid capturing chemical reaction effects. ○
- 30 An efficient hybridization scheme for time-fractional Cauchy equations with convergence analysis. **2023**, 8, 1427-1454 1
- 29 Semi-analytical Methods for Solving the KdV and mKdV Equations. **2022**, 139-159 ○
- 28 Efficient approximate analytical methods to solve Kaup-Kupershmidt (KK) equation. **2022**, ○
- 27 Exact Traveling Wave Solutions of the Local Fractional Bidirectional Propagation System Equations. **2022**, 6, 653 ○
- 26 Results on control of bio-electrochemical models in microbial fuel cells. **2022**, ○
- 25 Steady-state concentrations of carbon dioxide absorbed into phenyl glycidyl ether solution by Taylor series method. **2022**, ○
- 24 On some soliton structures to the Schamel-Korteweg-de Vries model via two analytical approaches. ○
- 23 A design of neural networks to study MHD and heat transfer in two phase model of nano-fluid flow in the presence of thermal radiation. 1-24 ○
- 22 Strouhal Number Effects on Dynamic Boundary Layer Evolution Over a Wedge Surface from Initial Flow to Steady Flow: Analytical Approach. **2022**, 27, 26-39 ○
- 21 Application of HAM for Nonlinear Integro-Differential Equations of Order Two. **2023**, 11, 55-68 ○
- 20 Analysis of thermally radiative magnetized viscoelastic (second-grade) fluid by impermeable vertical cylinder. 1-15 ○
- 19 Analysis of semi-analytical method for solving fuzzy fractional differential equations with strongly nonlinearity under caputo derivative sense. **2023**, ○
- 18 Solution of burgers equation appears in fluid mechanics by multistage optimal homotopy asymptotic method. **2023**, 27, 87-92 ○

- 17 Theoretical analysis of putrescine enzymatic biosensor with optical oxygen transducer in sensitive layer using Akbari-Ganj method. **2023**, 18, 100113 ○
- 16 Describing function method with pointwise balancing in two-dimensional regularized time domain for quasi-periodic responses. **2023**, 553, 117640 ○
- 15 Influence of Marangoni convection, solar radiation, and viscous dissipation on the bioconvection couple stress flow of the hybrid nanofluid over a shrinking surface. 9, ○
- 14 A semi-analytical approach to investigate the entropy generation in a tangent hyperbolic magnetized hybrid nanofluid flow upon a stretchable rotating disk. **2023**, 574, 170664 ○
- 13 Effect of Capacitance Parameters on Soliton Behaviors in Nonlinear Transmission Lines. **2023**, 12, 615-625 ○
- 12 Analysis of Von Kármán Swirling Flows Due to a Porous Rotating Disk Electrode. **2023**, 14, 582 ○
- 11 Describing function method with pointwise balancing in time domain for periodic responses of non-smooth self-excited system. ○
- 10 Numerical solution for MHD flow and heat transfer of Maxwell fluid over a stretching sheet. **2023**, 10, 166-174 ○
- 9 Theoretical analysis of amperometric response towards PPO-based rotating disk bioelectrodes: Taylors series and hyperbolic function method. **2023**, 18, 100083 ○
- 8 Dynamics of magnetohydrodynamic nonlinear radiative flow of diamond-Co<sub>3</sub>O<sub>4</sub>/EG hybrid nanofluid with homogeneous/heterogeneous reactions. ○
- 7 A Fractional Treatment to Food-Borne Disease Modeling by q- Homotopy Analysis Transform Method (q-HATM). 508-523 ○
- 6 New Analytical Method and Application for Solve the Nonlinear Wave Equation. **2022**, 565-573 ○
- 5 Soft computing paradigm for heat and mass transfer characteristics of nanofluid in magnetohydrodynamic (MHD) boundary layer over a vertical cone under the convective boundary condition. 1-25 ○
- 4 Analytic similarity solutions for fully resolved unsteady laminar boundary layer flow and heat transfer in the presence of radiation. **2023**, 9, e14765 ○
- 3 Numerical study of magnetized Powell-Eyring hybrid nanomaterial flow with variable heat transfer in the presence of artificial bacteria: Applications for tumor removal and cancer cell destruction. 10, ○
- 2 Mathematical model for graphene nanofluid flow over a stretching surface with velocity slips thermal convective and mass flux conditions. **2023**, 15, 168781322311696 ○
- 1 "Homotopy analysis method to MHD-slip flow of an upper- convected maxwell viscoelastic nanofluid in a permeable channel embedded in a porous medium". **2020**, 5, 11-20 1