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Department of Civil Engineering
Ferdowsi University of Mashhad, Iran

Selected publications:

1. Mohammad Rezaiee Pajand , Nima Gharaei Moghaddam , Vibration and static analysis of cracked and non-cracked non-prismatic frames by force formulation , *Engineering Structures* , Volume (185) , 2019-4, Pages 106-121
2. Mohammad Rezaiee Pajand , Mohammad Mohammadi Khatami , A fast and accurate dynamic relaxation scheme , *Frontiers of Structural and Civil Engineering* , Volume (13) , 2019-2, Pages 176-189
3. Mohammad Rezaiee Pajand , Nima Gharaei Moghaddam , mohammad reza ramezani , Two Triangular Membrane Element Based on Strain , *International Journal of Applied Mechanics* , 2019-1
4. Mohammad Rezaiee Pajand , Rahele Naserian , Hossein Afsharimoghadam , Geometrical nonlinear analysis of structures using residual variables , *Mechanics Based Design of Structures and Machines* , 2019-1
5. Mohammad Rezaiee Pajand , Ahmad Aftabi sani , Seyed Mojtaba Hozhabrossadati , Deflection of axially functionally graded rectangular plates by Green's function method , *Steel and Composite Structures* , Volume (30) , 2019-1, Pages 57-67
6. Mohammad Rezaiee Pajand , Davood Pourhekmatt , elias arabi , Thermo-mechanical stability analysis of functionally graded shells , *Engineering Structures* , Volume (178) , 2019-1, Pages 1-11
7. Mohammad Rezaiee Pajand , Mohammad Sadegh Kazemiyani , Ahmad Aftabi sani , Solving coupled beam-fluid interaction by DTM , *Ocean Engineering* , Volume (167) , 2018-11, Pages 380-396

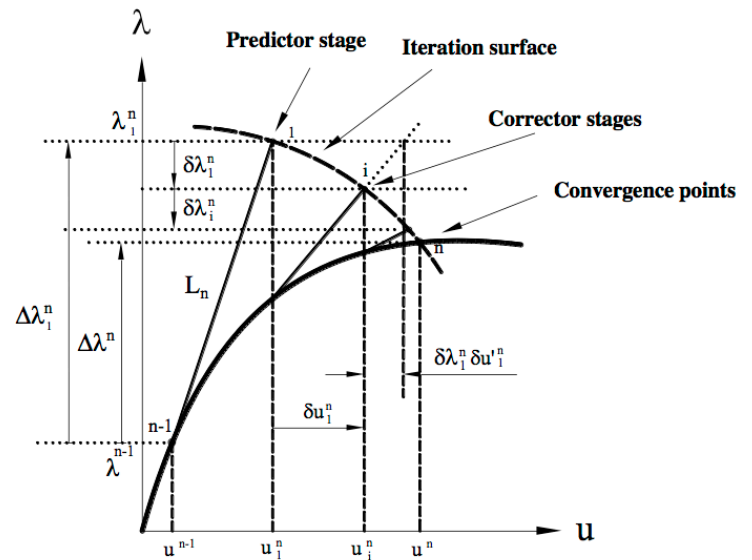


Fig. 1 Nonlinear structural analysis scheme

From: Mohammad Rezaiee Pajand , Morteza Ghalishooyan , Comprehensive evaluation of structural geometrical nonlinear solution techniques Part II: Comparing efficiencies of the methods , *Structural Engineering and Mechanics* , Volume (48) , 2013-12, Pages 879-914

8. Mohammad Rezaiee Pajand , elias arabi , On the Geometrically Nonlinear Analysis of Composite Axisymmetric Shells , Journal of Applied and Computational Mechanics , Volume (4) , 2018-11, Pages 402-419
9. Mohammad Rezaiee Pajand , Amirhossein Esfehiani , Mahdi Karimi-Rad , Highly accurate family of time integration method , Structural Engineering and Mechanics , Volume (67) , 2018-11, Pages 603-616
10. Mohammad Rezaiee Pajand , Amirreza Masoodi , Mohsen Bambaeechee , Tapered beam–column analysis by analytical solution , Proceedings of the ICE - Structures and Buildings , 2018-9
11. Mohammad Rezaiee Pajand , Amirreza Masoodi , Ali Alepeighambar moghadam , Lateral-torsional buckling of functionally graded tapered I-beams considering lateral bracing , Steel and Composite Structures , Volume (28) , 2018-9, Pages 403-414
12. Mohammad Rezaiee Pajand , Amirreza Masoodi , Stability Analysis of Frame Having FG Tapered Beam–Column , International Journal of Steel Structures , 2018-8
13. Mohammad Rezaiee Pajand , Mahdi Mokhtari , Amirreza Masoodi , A novel cable element for nonlinear thermo-elastic analysis , Engineering Structures , Volume (167) , 2018-7, Pages 431-444
14. Mohammad Rezaiee Pajand , Mahdi Mokhtari , Size dependent buckling analysis of nano sandwich beams by two schemes , Mechanics of Advanced Materials and Structures , 2018-7
15. Seyed Mojtaba Hozhabrossadati , N. Challamel , Mohammad Rezaiee Pajand , Ahmad Aftabi sani , Application of Green’s function method to bending of stress gradient nanobeams , International Journal of Solids and Structures , Volume (143) , 2018-6, Pages 209-217
16. Mohammad Rezaiee Pajand , Amirreza Masoodi , elias arabi , On the shell thickness-stretching effects using seven-parameter triangular element , European Journal of Computational Mechanics , 2018-6, Pages 1-23
17. M. Karkon , Mohammad Rezaiee Pajand , Finite Element Analysis of Orthotropic Thin Plates Using Analytical Solution , Iranian Journal of Science and Technology-Transactions of Civil Engineering , 2018-6, Pages 1-11
18. Mohammad Rezaiee Pajand , Amirreza Masoodi , elias arabi , Geometrically nonlinear analysis of FG doubly-curved and hyperbolic shells via laminated by new element , Steel and Composite Structures , Volume (28) , 2018-6, Pages 389-401
19. Mohammad Rezaiee Pajand , Nima Gharaei Moghaddam , Force-based curved beam elements with open radial edge cracks , Mechanics of Advanced Materials and Structures , 2018-5, Pages 1-13
20. Mohammad Rezaiee Pajand , Mahdi Mokhtari , Amirreza Masoodi , Stability and free vibration analysis of tapered sandwich columns with functionally graded core and flexible connections , CEAS Aeronautical Journal , 2018-5, Pages 1-20
21. Mohammad Rezaiee Pajand , Niloofar Rajabzadeh Safaei , S. M. Hozhabrossadati , Three-dimensional deformations of a curved circular beam subjected to thermo-mechanical loading using green’s function method , International Journal of Mechanical Sciences , Volume (142) , 2018-4, Pages 163-175
22. Mohammad Rezaiee Pajand , Ahmad Aftabi sani , Seyed Mojtaba Hozhabrossadati , Vibration suppression of a double-beam system by a two beam system by a two-degree-of-freedom mass-spring system , Smart Structures and Systems , Volume (21) , 2018-3, Pages 349-358
23. Mohammad Rezaiee Pajand , Hossein Afsharimoghadam , An incremental iterative solution procedure without predictor step , European Journal of Computational Mechanics , 2018-3, Pages 1-30
24. Mohammad Rezaiee Pajand , Amirreza Masoodi , Mahdi Mokhtari , Static analysis of functionally graded non-prismatic sandwich beams , Advances in Computational Design , Volume (3) , 2018-2, Pages 165-190
25. Mohammad Rezaiee Pajand , Amirreza Masoodi , Exact natural frequencies and buckling load of functionally graded material tapered beam-columns considering semi-rigid connections , Journal of Vibration and Control , Volume (24) , 2018-1, Pages 1787-1808
26. Mohammad Rezaiee Pajand , Hossein Estiri , Comparative analysis of three-dimensional frames by dynamic relaxation methods , Mechanics of Advanced Materials and Structures , Volume (25) , 2018-1, Pages 451-466

27. Mohammad Rezaiee Pajand , Niloofar Rajabzadeh Safaei , Nonlocal static analysis of a functionally graded material curved nanobeam , *Mechanics of Advanced Materials and Structures* , Volume (25) , 2018-1, Pages 539-547
28. Mohammad Rezaiee Pajand , Rahele Naserian , Geometrical nonlinear analysis based on optimization technique , *Applied Mathematical Modelling* , Volume (53) , 2018-1, Pages 32-48
29. Mohammad Rezaiee Pajand , elias arabi , مسعودی امیررضا , **A triangular shell element for geometrically nonlinear analysis** , *Acta Mechanica* , Volume (229) , 2018-1, Pages 323-342
30. Mohammad Rezaiee Pajand , Nima Gharaei Moghaddam , Using co-rotational method for cracked frame analysis , *Meccanica* , Volume (53) , 2018-1, Pages 2121-2143
31. Mohammad Rezaiee Pajand , Ahmad Aftabi sani , Mohammad Sadegh Kazemiyan , Free vibration analysis of concrete arch dams by quadratic ideal-coupled method , *Structural Engineering and Mechanics* , Volume (65) , 2018-1, Pages 69-79
32. Mohammad Rezaiee Pajand , Nima Gharaei Moghaddam , Two new triangular finite elements containing stable open cracks , *Structural Engineering and Mechanics* , Volume (65) , 2018-1, Pages 99-110
33. Mohammad Rezaiee Pajand , Maryam Hashemian , A. Bohluly , A novel time integration formulation for nonlinear dynamic analysis , *Aerospace Science and Technology* , 2017-12
34. Mohammad Rezaiee Pajand , Majid Yaghoobi , A Hybrid Stress Plane Element with Strain Field , *Civil Engineering Infrastructures Journal* , Volume (50) , 2017-12, Pages 255-275
35. Mohammad Rezaiee Pajand , Majid Yaghoobi , An Efficient Flat Shell Element , *Meccanica* , Volume (1) , 2017-10
36. Mohammad Rezaiee Pajand , J. Alamatian , Hasine Rezaee , The state of the art in Dynamic Relaxation methods for structural mechanics Part 1 Formulations , *Iranian Journal of Numerical Analysis and Optimization* , Volume (7) , 2017-9, Pages 65-86
37. Mohammad Rezaiee Pajand , amir baghban khiabani , Controlling structures by inverse adaptive neuro fuzzy inference system and MR dampers , *Journal of Numerical Methods in Civil Engineering* , Volume (2) , 2017-9, Pages 24-36
38. Mohammad Rezaiee Pajand , Nima Gharaee Moghaddam , Frame nonlinear analysis by force method , *International Journal of Steel Structures* , Volume (17) , 2017-6, Pages 609-629
39. Mohammad Rezaiee Pajand , Alireza Entezami , Hashem Shariatmadar , An iterative order determination method for time-series modeling in structural health monitoring , *Advances in Structural Engineering* , 2017-6
40. Mohammad Rezaiee Pajand , Ahmad Aftabi sani , Seyed Mojtaba Hozhabrossadati , Free Vibration of a Generalized Plane Frame , *International Journal of Engineering* , Volume (31) , 2017-4, Pages 538-547
41. Mohammad Rezaiee Pajand , Maryam Hashemian , Modified differential transformation method for solving nonlinear dynamic problems , *Applied Mathematical Modelling* , Volume (47) , 2017-3, Pages 76-95
42. Mohammad Rezaiee Pajand , Ahmad Aftabi Sani , Seyed Mojtaba Hozhabrossadati , Application of Differential Transform Method to Free Vibration of Gabled Frames with Rotational Springs , *International Journal of Structural Stability and Dynamics* , Volume (16) , 2017-1, Pages 1-22
43. Mohammad Rezaiee Pajand , Rahele Naserian , Nonlinear Frame Analysis BY Minimization Techniques , *International Journal of Optimization in Civil Engineering* , Volume (7) , 2017-1, Pages 291-318
44. Mohammad Rezaiee Pajand , Hossein Estiri , Geometrically nonlinear analysis of shells by various dynamic relaxation methods , *World Journal of Engineering* , Volume (14) , 2017-1, Pages 381-405
45. Mohammad Rezaiee Pajand , Majid Yaghoobi , Geometrical nonlinear analysis by plane quadrilateral element , *Scientia Iranica* , 2017-1
46. Mohammad Rezaiee Pajand , Ahmad Aftabi sani , Seyed Mojtaba Hozhabrossadati , **Analyzing Free-Free Beams By Green's Functions and Fredholm Alternative Theorem** , *Journal of Mechanics* , 2017-1

47. Mohammad Rezaiee Pajand , Hossein Estiri , Finding equilibrium paths by minimizing external work in dynamic relaxation method , Applied Mathematical Modelling , Volume (40) , 2016-12, Pages 10300-10322
48. Mohammad Rezaiee Pajand , Hossein Afsharimoghadam , Optimization Formulation For Nonlinear Structural Analysis , International Journal of Optimization in Civil Engineering , Volume (7) , 2016-12, Pages 109-127
49. Mohammad Rezaiee Pajand , Hossein Estiri , **A Comparison of Large Deflection Analysis of Bending Plates by Dynamic Relaxation** , Periodica Polytechnica: Civil Engineering , Volume (60) , 2016-11, Pages 619-645
50. Mohammad Rezaiee Pajand , niloofar rajabzadeh safaei , Static and dynamic analysis of circular beams using explicit stiffness matrix , Structural Engineering and Mechanics , Volume (60) , 2016-11, Pages 111-130
51. Mohammad Karkon , Mohamad Rezaiee Pajand , Geometrical Nonlinear Analysis of Plane Problems by Corotational Formulation , Journal of Engineering Mechanics-ASCE , Volume (95) , 2016-6, Pages 1-11
52. Mohammad Rezaiee Pajand , elias arabi , A curved triangular element for nonlinear analysis of laminated shells , Composite Structures , Volume (153) , 2016-6, Pages 538-548
53. Mohammad Rezaiee Pajand , Hossein Estiri , Mixing dynamic relaxation method with load factor and displacement increments , Computers & Structures , Volume (168) , 2016-6, Pages 78-91
54. Mohammad Rezaiee Pajand , Seyed Mojtaba Hozhabrossadati , Analytical and numerical method for free vibration of double-axially functionally graded beams , Composite Structures , Volume (152) , 2016-5, Pages 488-498
55. Mohammad Rezaiee Pajand , Ahmad Aftabi Sani , Mohammad Sadegh Kazemiyan , Analytical solution for free vibration of flexible 2D rectangular tanks , Ocean Engineering , Volume (122) , 2016-5, Pages 118-135
56. Mohammad Rezaiee Pajand , niloofar rajabzadeh safaei , An Explicit Stiffness Matrix for Parabolic Beam Element , Latin American Journal of Solids and Structures , Volume (13) , 2016-4, Pages 1782-1801
57. Mohammad Rezaiee Pajand , Hossein Estiri , Computing the structural buckling limit load by using dynamic relaxation method , International Journal of Non-Linear Mechanics , Volume (81) , 2016-2, Pages 245-260
58. Mohamad Rezaiee Pajand , Seyed Mojtaba Hozhabrossadati , Free vibration analysis of a double-beam system joined by a mass-spring device , Journal of Vibration and Control , Volume (55) , 2016-1, Pages 1-14
59. Mohammad Rezaiee Pajand , Rahele Naserian , Using More Accurate Strain For Three-Dimensional Truss Analysis , Asian Journal of Civil Engineering-Building And Housing , Volume (17) , 2016-1, Pages 107-126
60. Mohammad Rezaiee Pajand , Mahdi Karimi-Rad , A New Explicit Time Integration Scheme for Nonlinear Dynamic Analysis , International Journal of Structural Stability and Dynamics , Volume (16) , 2016-1, Pages 1-26
61. Mohammad Rezaiee Pajand , Maryam Hashemian , Time Integration Method Based on Discrete Transfer Function , International Journal of Structural Stability and Dynamics , Volume (16) , 2016-1, Pages 1-22
62. Mohammad Karkon , Mohammad Rezaiee Pajand , Hybrid-Treffitz formulation for analysis of thick orthotropic plates , Aerospace Science and Technology , Volume (50) , 2016-1, Pages 234-244
63. Mohammad Karkon , Mohammad Rezaiee Pajand , A quadrilateral plate bending element based on deformation modes , Applied Mathematical Modelling , Volume (41) , 2016-1, Pages 618-629
64. Mohammad Rezaiee Pajand , Farzad Shahabian Moghadam , Mohsen Bambaeechee , Buckling analysis of semi-rigid gabled frames , Structural Engineering and Mechanics , Volume (55) , 2015-7, Pages 605-638
65. Mohammad Rezaiee Pajand , Rahele Naserian , Using residual areas for geometrically nonlinear structural analysis , Ocean Engineering , Volume (105) , 2015-7, Pages 327-335
66. Mohammad Rezaiee Pajand , Ferdinando Auricchio , Mehrzad Sharifian , Mehrdad Sharifian Torghabeh , Exponential-based integration for Bigonie-Piccolroaz plasticity model , European Journal of Mechanics A-Solids , Volume (51) , 2015-4, Pages 107-122
67. Mohammad Rezaiee Pajand , Nima Gharaee , Analysis of 3D Timoshenko frames having geometrical and material nonlinearities , International Journal of Mechanical Sciences , Volume (95) , 2015-3, Pages 140-155

68. Mohammad Rezaiee Pajand , Farzad Shahabian Moghadam , Mohsen Bambaeechee , Stability Of Semi-Rigid Portal Frames With Tapered Columns And Lateral Support , Asian Journal of Civil Engineering-Building And Housing , Volume (16) , 2015-2, Pages 135-159
69. Mohammad Rezaiee Pajand , Farzad Shahabian Moghadam , Mohsen Bambaeechee , Stability of Non-prismatic Frames with Flexible Connections and Elastic Supports , KSCE Journal of Civil Engineering , Volume (20) , 2015-2, Pages 832-846
70. Mohammad Rezaiee Pajand , mahdi payandeh , Three Schemes For Active Control Of The Planar Frame , International Journal of Optimization in Civil Engineering , Volume (5) , 2015-1, Pages 117-135
71. Mohammad Rezaiee Pajand , Farzad Shahabian Moghadam , fariba hassan zadeh tavakoli , Stress Analysis of Free-Edge Laminated Composite Plates by Two Bending Elements , International Journal of Computational Methods , Volume (13) , 2015-1, Pages 1-18
72. Mohammad Rezaiee Pajand , , A Novel Hexahedral Interface Element for Nonlinear Crack Analysis , Mechanics of Advanced Materials and Structures , Volume (22) , 2015-1, Pages 1-14
73. Mohammad Rezaiee Pajand , Ferdinando Auricchio , Mehrzad Sharifian Torghabeh , Mehrdad Sharifian Torghabeh , Computational plasticity of mixed hardening pressure-dependency constitutive equations , Acta Mechanica , Volume (225) , 2014-12, Pages 1699-1733
74. Mohammad Rezaiee Pajand , Majid Yaghoobi , A robust triangular membrane element , Latin American Journal of Solids and Structures , Volume (11) , 2014-11, Pages 2648-2671
75. Mohammad Rezaiee Pajand , Mahdi Karimi-Rad , More accurate and stable time integration scheme , Engineering with Computers , Volume (30) , 2014-11, Pages 1-22
76. Mohammad Rezaiee Pajand , Majid Yaghoobi , Two new quadrilateral elements based on strain states , Civil Engineering Infrastructures Journal , Volume (47) , 2014-11, Pages 1-33
77. Mohammad Rezaiee Pajand , Hasine Rezaee , Fictitious Time Step for the Kinetic Dynamic Relaxation Method , Mechanics of Advanced Materials and Structures , Volume (21) , 2014-10, Pages 631-644
78. Mohammad Rezaiee Pajand , Mehrdad Sharifian Torghabeh , شریفیان زاد مهر , Angles based integration for generalized non-linear plasticity model , International Journal of Mechanical Sciences , Volume (87) , 2014-9, Pages 241-257
79. Mohammad Rezaiee Pajand , Mohammad Karkon , Hybrid Stress and Analytical Functions for Analysis of Thin Plates Bending , Latin American Journal of Solids and Structures , Volume (11) , 2014-8, Pages 556-579
80. Mohammad Rezaiee Pajand , Mohammad Sadegh Kazemiyani , Damage identification of 2D and 3D trusses by using complete and incomplete noisy measurements , Structural Engineering and Mechanics , Volume (52) , 2014-8, Pages 149-172
81. Mohammad Rezaiee Pajand , Morteza Ghalishooyan , [Structural geometrical nonlinear analysis by displacement increment](#) , Asian Journal of Civil Engineering-Building And Housing , Volume (15) , 2014-7, Pages 633-653
82. Mohammad Rezaiee Pajand , Majid Yaghoobi , An efficient formulation for linear and geometric non-linear membrane elements , Latin American Journal of Solids and Structures , Volume (11) , 2014-6, Pages 1012-1035
83. Mohammad Rezaiee Pajand , Mohammad Karkon , Two higher order hybrid-Trefftz elements for thin plate bending analysis , Finite Elements in Analysis and Design , Volume (85) , 2014-4, Pages 73-86
84. Mohammad Rezaiee Pajand , Behrang Moghaddasie , Stability boundaries of two-parameter non-linear elastic structures , International Journal of Solids and Structures , Volume (51) , 2014-2, Pages 1089-1102
85. Mohammad Rezaiee Pajand , Mohammad Karkon , Optimal Node Location in Triangular Plate Bending Elements , International Journal of Computational Methods , Volume (11) , 2014-1, Pages 13500751-135007536

86. Mohammad Rezaiee Pajand , Mohammad Sadegh Kazemiyani , Ahmad Aftabi sani , Static Damage Identification of 3D and 2D Frames , Mechanics Based Design of Structures and Machines , Volume (42) , 2014-1, Pages 70-96
87. Mohammad Rezaiee Pajand , Fariba Hassanzadeh Tavakoli , Farzad Shahabian Moghadam , **Delamination detection in buckling laminated composite plates** , Proceedings of the ICE - Engineering and Computational Mechanics , Volume (167) , 2014-1, Pages 67-81
88. Mohammad Rezaiee Pajand , , **Crack detection in concrete gravity dams by using new cracked element and genetic algorithm** , Proceedings of the ICE - Structures and Buildings , Volume (167) , 2014-1, Pages 1-18
89. Mohammad Rezaiee Pajand , Morteza Ghalishooyan , Comprehensive evaluation of structural geometrical nonlinear solution techniques Part II: Comparing efficiencies of the methods , Structural Engineering and Mechanics , Volume (48) , 2013-12, Pages 879-914
90. Mohammad Rezaiee Pajand , Mehrdad Sharifian Torghabeh , Mehrzad Sharifian Torghabeh , Two new hybrid methods in integrating constitutive equations , International Journal of Mechanical Sciences , Volume (77) , 2013-12, Pages 277-300
91. Mohammad Rezaiee Pajand , Morteza Ghalishooyan , mostafa salehi , Comprehensive evaluation of structural geometrical nonlinear solution techniques Part I: Formulation and characteristics of the methods , Structural Engineering and Mechanics , Volume (48) , 2013-12, Pages 849-878
92. Mohammad Rezaiee Pajand , Majid Yaghoobi , A free of parasitic shear strain formulation for plane element , Research in Civil and Environmental Engineering , Volume (1) , 2013-8, Pages 1-27
93. Mohammad Rezaiee Pajand , Hamid Reza Vejdani Noghreiyani , alir reza naghavi , Four New Methods for Finding Structural Critical Points , Mechanics Based Design of Structures and Machines , Volume (41) , 2013-7, Pages 399-420
94. Mohammad Rezaiee Pajand , Mehrdad Sharifian Torghabeh , Mehrzad Sharifian Torghabeh , Integrating the Pressure-Sensitive Nonassociative Plasticity by Exponential-Based Methods , Journal of Engineering Materials and Technology , Volume (135) , 2013-7, Pages 310101-3101022
95. Mohammad Rezaiee Pajand , Sina Sinaie , Calibration of Hardening Rules for Cyclic Plasticity , International Journal of Engineering , Volume (26) , 2013-4, Pages 351-364
96. Mohammad Rezaiee Pajand , mohammad karkon , An effective membrane element based on analytical solution , European Journal of Mechanics A-Solids , Volume (39) , 2013-1, Pages 268-279
97. Mohammad Rezaiee Pajand , Behrang Moghaddasie , Determination of Stability Domains for Nonlinear Dynamical Systems Using the Weighted Residuals Method , Civil Engineering Infrastructures Journal , Volume (1) , 2013-1, Pages 27-50
98. Mohammad Rezaiee Pajand , yaser sadeghi , A bending element for isotropic, multilayered and piezoelectric plates , Latin American Journal of Solids and Structures , Volume (10) , 2013-1, Pages 323-348
99. Mohammad Rezaiee Pajand , Seyyed Reza Sarafrazi , Hasine Rezaee , Efficiency of dynamic relaxation methods in nonlinear analysis of truss and frame structures , Computers & Structures , Volume (112) , 2012-12, Pages 295-310
100. Mohammad Rezaiee Pajand , Majid Yaghoobi , Formulating an effective generalized four-sided element , European Journal of Mechanics A-Solids , Volume (36) , 2012-12, Pages 141-155
101. Mohammad Rezaiee Pajand , Farzad Shahabian Moghadam , fariba hassan zadeh tavakoli , Delamination detection in laminated composite beams using hybrid elements , Composite Structures , Volume (94) , 2012-9, Pages 2777-2792
102. Mohammad Rezaiee Pajand , Seyyed Reza Sarafrazi , stability and accuracy of non-linear dynamic analysis using time integration algorithms , Proceedings of the ICE - Structures and Buildings , Volume (165) , 2012-9, Pages 455-471

103. Mohammad Rezaiee Pajand , Farzad Shahabian Moghadam , fariba hassan zadeh tavakoli , A new higher-order triangular plate bending element for the analysis of laminated composite and sandwich plates , Structural Engineering and Mechanics , Volume (43) , 2012-7, Pages 253-271
104. Mohammad Rezaiee Pajand , Behrang Moghaddasie , Estimating the Region of Attraction via collocation for autonomous nonlinear systems , Structural Engineering and Mechanics , Volume (41) , 2012-2, Pages 263-284
105. Mohammad Rezaiee Pajand , Mehrzad Sharifian Torghabeh , A novel formulation for integrating nonlinear kinematic hardening Drucker-Prager's yield condition , European Journal of Mechanics A-Solids , Volume (31) , 2012-1, Pages 163-178
106. Mohammad Rezaiee Pajand , Mehran Kadkhodayan , J. Alamatian , Timestep Selection for Dynamic Relaxation Method , Mechanics Based Design of Structures and Machines , Volume (40) , 2012-1, Pages 42-72
107. Mohammad Rezaiee Pajand , Majid Yaghoobi , mohammad karkon , Hybrid Trefftz Formulation for Thin Plate Analysis , International Journal of Computational Methods , Volume (9) , 2012-1, Pages 1-29
108. Mohammad Rezaiee Pajand , mohammad karkon , Two efficient hybrid-Trefftz elements for plate bending analysis , Latin American Journal of Solids and Structures , Volume (9) , 2012-1, Pages 43-67
109. Mohammad Rezaiee Pajand , Cyrus Nasirai , Mehrzad Sharifian Torghabeh , Integration of nonlinear mixed hardening models , Multidiscipline Modeling in Materials , Volume (7) , 2011-10, Pages 266-305
110. Mohammad Rezaiee Pajand , Seyyed Reza Sarafrazi , Maryam Hashemian , Improving stability domains of the implicit higher order accuracy method , International Journal for Numerical Methods in Engineering , Volume (88) , 2011-9, Pages 880-896
111. Mohammad Rezaiee Pajand , Mohsen Bambaeechee , Seyyed Reza Sarafrazi , Static and dynamic nonlinear analysis of semi-rigid steel frames with new beam-column element , International Journal of Engineering , Volume (24) , 2011-9, Pages 203-221
112. Mohammad Rezaiee Pajand , , Second order sensitivity analysis for shape optimization of continuum structures , Computational Methods in Civil Engineering , Volume (2) , 2011-8, Pages 43-63
113. Mohammad Rezaiee Pajand , Mehrzad Sharifian Torghabeh , Mehrdad Sharifian Torghabeh , Accurate and approximate integrations of Drucker-Prager plasticity with linear isotropic and kinematic hardening , European Journal of Mechanics A-Solids , Volume (30) , 2011-5, Pages 345-361
114. Mohammad Rezaiee Pajand , Seyyed Reza Sarafrazi , Nonlinear dynamic structural analysis using dynamic relaxation with zero damping , Computers & Structures , Volume (89) , 2011-3, Pages 1274-1285
115. Mohammad Rezaiee Pajand , Reza Khajavi , Vibration analysis of plane frames by customized stiffness and diagonal mass matrices , Proceedings of the Institution of Mechanical Engineers - Part C , Volume (225) , 2011-3, Pages 2848-2863
116. Mohammad Rezaiee Pajand , Sina Sinaie , [Nonlinear Numerical Integration Scheme In Strain](#) , International Journal of Engineering , Volume (24) , 2011-1, Pages 1-13
117. Mohammad Rezaiee Pajand , alireza naghavi riabi , [Accurate Solutions For Geometric Nonlinear Analysis Of Eight Trusses](#) , Mechanics Based Design of Structures and Machines , Volume (39) , 2011-1, Pages 46-82
118. Mohammad Rezaiee Pajand , J. Alamatian , Automatic DR Structural Analysis of Snap-Through and Snap-Back Using Optimized Load Increments , Journal of Structural Engineering , Volume (137) , 2011-1, Pages 109-116
119. Mohammad Rezaiee Pajand , Mehran Kadkhodayan , J. Alamatian , L. C. Zhang , A new method of fictitious viscous damping determination for the dynamic relaxation method , Computers & Structures , Volume (89) , 2011-1, Pages 783-794

120. Mohammad Rezaiee Pajand , Cyrus Nasirai , Mehrzad Sharifian Torghabeh , Application of Exponential-Based Methods in Integrating the Constitutive Equations with Multicomponent Nonlinear Kinematic Hardening , Journal of Engineering Mechanics-ASCE , Volume (136) , 2010-12, Pages 1502-1518
121. Seyyed Reza Sarafrazi , Mohammad Rezaiee Pajand , Nonlinear Structural Analysis Using Dynamic Relaxation Method With Improved Convergence Rate , International Journal of Computational Methods , Volume (7) , 2010-12, Pages 627-654
122. Mohammad Rezaiee Pajand , Seyyed Reza Sarafrazi , A mixed and multi-step higher-order implicit time integration family , Proceedings of the Institution of Mechanical Engineers - Part C , Volume (224) , 2010-10, Pages 2097-2108
123. Mohammad Rezaiee Pajand , F. Moayyedian , A Closed-Form Non- Linear Solution For Plastic Flange Wrinkling of Circular Plates in Deep Drawing Process , International Journal of Engineering , Volume (23) , 2010-7, Pages 203-214
124. Mohammad Rezaiee Pajand , Javad Alamatian , The dynamic relaxation method using new formulation for fictitious mass and damping , Structural Engineering and Mechanics , Volume (34) , 2010-1, Pages 109-133
125. - - , I. Rahmani , Mohammad Rezaiee Pajand , Nonlinear FE Analysis of Reinforced Concrete Structures Using a Tresca-Type Yield Surface , Scientia Iranica , Volume (16) , 2009-12, Pages 512-519
126. Mohammad Rezaiee Pajand , Mohammad Tatar , Behrang Moghaddasie , **Some Geometrical Bases for Incremental-Iterative Methods** , International Journal of Engineering , Volume (22) , 2009-10, Pages 245-256
127. Mohammad Rezaiee Pajand , Mohammad Reza Akbarzadeh Totonchi , ALI Nikdel , Direct Adaptive Neurocontrol of Structures under Earth Vibration , Journal of Computing in Civil Engineering , Volume (23) , 2009-9, Pages 299-307
128. Mohammad Rezaiee Pajand , Sina Sinaie , On the calibration of the Chaboche hardening model and a modified hardening rule for uniaxial ratcheting prediction , International Journal of Solids and Structures , Volume (46) , 2009-4, Pages 3009-3017
129. Mohammad Rezaiee Pajand , - - , On the integration schemes for Drucker–Prager’s elastoplastic models based on exponential maps , International Journal for Numerical Methods in Engineering , Volume (74) , 2008-10, Pages 799-826
130. Mohammad Rezaiee Pajand , Javad Alamatian , Implicit Higher-Order Accuracy Method for Numerical Integration in Dynamic Analysis , Journal of Structural Engineering , Volume (134) , 2008-6, Pages 973-985
131. Mohammad Rezaiee Pajand , Javad Alamatian , Numerical time integration for dynamic analysis using a new higher order predictor-corrector method , Engineering Computations , Volume (25) , 2008-6, Pages 541-568
132. Mohammad Rezaiee Pajand , Javad Alamatian , Nonlinear dynamic analysis by Dynamic Relaxation method , Structural Engineering and Mechanics , 2008-3
133. Mohammad Rezaiee Pajand , - - , Elasto-Plastic Analysis of Trusses by Virtual Loads , International Journal of Civil Engineering , Volume (5) , 2008-3, Pages 224-235
134. Mohammad Rezaiee Pajand , Javad Alamatian , nonlinear dynamic analysis by dynamic relaxation method , Structural Engineering and Mechanics , Volume (28) , 2008-3, Pages 549-570
135. Mohammad Rezaiee Pajand , - - , Accurate integration scheme for von-Mises plasticity with mixed-hardening based on exponential maps , Engineering Computations , Volume (24) , 2007-3, Pages 608-635
136. Mohammad Rezaiee Pajand , M. Taghavian Hakkak , Nonlinear Analysis Of Truss Structures Using Dynamic Relaxation , International Journal of Engineering , Volume (19) , 2006-11, Pages 11-22
137. Mohammad Rezaiee Pajand , - - , - - , **Tensile crack modeling cohesive slopes and vertical cuts** , Amirkabir, Volume (17) , 2006-7, Pages 93-98

138. Mohammad Rezaiee Pajand , Hamid Reza Vejdani Noghreiyani , Computation of multiple bifurcation point , Engineering Computations , Volume (23) , 2006-3, Pages 552-565
139. Mohammad Rezaiee Pajand , - - , elasto-plastic analysis of three-dimensional structures , Engineering Computations , Volume (20) , 2002-12, Pages 274-295
140. Mohammad Rezaiee Pajand , - - , A genetic algorithm for structural optimization , Asian Journal of Civil Engineering-Building And Housing , Volume (3) , 2002-1, Pages 47-60
141. Mohammad Rezaiee Pajand , - - , Shape optimization of plate bending structures , IUST International Journal Of Engineering Science , Volume (12) , 2001-5, Pages 165-188
142. Mohammad Rezaiee Pajand , - - , Explicit stiffness of tapered and monosymmetric i beam-columns , International Journal of Engineering , Volume (13) , 2000-5, Pages 1-18
143. Mohammad Rezaiee Pajand , - - , A variable arc-length method , Asian Journal of Structural Engineering , Volume (3) , 1999-5, Pages 21-44
144. Mohammad Rezaiee Pajand , - - , A family of 13-node plate bending triangular elements , Commun. Numer. Meth. Engng. , Volume (14) , 1998-2, Pages 529-537
145. Mohammad Rezaiee Pajand , - - , Two-dimensional sensitivity analysis , Computers & Structures , Volume (61) , 1996-11, Pages 563-571
146. Mohammad Rezaiee Pajand , - - , Nonprismatic beam and column design tables for nonlinear analysis , Asian Journal of Structural Engineering , Volume (1) , 1995-7, Pages 337-349
147. Mohammad Rezaiee Pajand , - - , Three-dimensional sensitivity analysis using a factoring technique , Computers & Structures , Volume (49) , 1993-10, Pages 157-165
148. Mohammad Rezaiee Pajand , Z.H. Mazindrani , Optimal capacity of axially loaded bent pile , Amirkabir, Volume (4) , 1990-8, Pages 65-78
149. Mohammad Rezaiee Pajand , Gable Frame Analysis Using Iteration Procedure , Amirkabir, Volume (4) , 1990-7, Pages 41-61
150. Morteza A. M. Torkamani , Mohammad Rezaiee Pajand , Plastic cyclic analysis using linear yield surface , Journal of Engineering Mechanics-ASCE , Volume (110) , 1984-5, Pages 776-793