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Department of Aerospace Engineering
Amirkabir University of Technology, Tehran Polytechnic

Education:

1998 - Cranfield University, England – PhD, Aerospace Structural Engineering. 1994 - Cranfield University, England - M.Sc. Aerospace Vehicle Design (AVD). 1987 - Tehran University, Tehran, Iran - B.Sc., Mechanical Engineering.

Professional Experience:

1998 Assistant Professor, Dept. of Aerospace Eng., Amirkabir Univ. of Technology;
2005 Associate Professor, Dept. of Aerospace Eng., Amirkabir Univ. of Technology;
2009 Professor, Dept. of Aerospace Eng., Amirkabir Univ. of Technology;
2000 Member IAS (Iranian Aerospace Society);
2004-2005 Head of Dept. of Aerospace Eng., Amirkabir Univ. of Technology;
2007 Board Member, Center of Excellence in Computational Aerospace Engineering;
2009 Head of Center of Excellence in Computational Aerospace Engineering;
2009 Editorial Board Member, Journal of Thin-walled Structures (Elsevier-ISSN:0263-8231);
2009 Editorial Board Member, Journal of Composite Structures (Elsevier-ISSN:0263-8223).

Research Interests:

Analysis and Design of Aircraft Structures; Linear and Non-linear Finite Strip Methods; Thermo-mechanical Analysis of FGM; Delamination Buckling, Post-buckling and Growth Analysis.

Courses Taught:

Undergraduate: Strength of Materials, Mechanical Vibrations, Dynamics I, Dynamics II;
Post-graduate: Structural Stability, Advanced Aerospace Structural Design, Mechanics of Composite Materials;

Publications:

- 1- 1:PEDRAM KHANEH MASJEDI - 2:HAMID REZA OVESY - , "Aeroelastic instability of composite wings by the consideration of different structural constitutive assumptions" , Journal Of Fluids And Structures , Vol.49 , NO.1 , PP.303 _ 321 , 23 July2014
- 2- 1:MOHAMMAD HAJIKAZEMI - 2:HAMID REZA OVESY - 3:H. Assaee - 4:MOHAMMAD HOMAYOUNE SADR LAHIDJANI, "Post-buckling finite strip analysis of thick functionally graded plates" , Structural Engineering And Mechanics, Vol.49 , NO.5 , PP.569 _ 595 , 22 May2014
- 3- 1:HAMID REZA OVESY - 2:J. Fazilati - , "Parametric instability analysis of laminated composite curved shells subjected to non-uniform in-plane load" , Composite Structures, Vol.108 , NO.1 , PP.449 _ 455 , 31 January2014
- 4- 1:S. A. M. Ghannadpour - 2:HAMID REZA OVESY - 3:EHSAN ZIA-DEHKORDI, "An exact finite strip for the calculation of initial post-buckling stiffness of shear-deformable composite laminated plates" , Composite Structures, Vol.108 , NO.1 , PP.504 _ 513 , 31 January2014
- 5- 1:M. Kharazi - 2:HAMID REZA OVESY - 3:MARYAM ASGHARI MOONEGHI, "Buckling analysis of delaminated composite plates using a novel layerwise theory" , Thin-Walled Structures, Vol.74 , NO.1 , PP.246 _ 254 , 21 January2014
- 6- 1:MOHAMMAD HOSSEIN SHERAFAT - 2:HAMID REZA OVESY - 3:S. A. M. Ghannadpour - , "Buckling Analysis Of Functionally Graded Plates Under Mechanical Loading Using Higher Order Functionally Graded Strip" , International Journal Of Structural Stability And Dynamics, Vol.13 , NO.6 , PP.113 _ 126 , 02 August2013
- 7- 1:HAMID REZA OVESY - 2:AMIR NIKOU - 3:HOSEIN SHAHVERDI, "Flutter analysis of high-aspect-ratio wings based on a third-order nonlinear beammodel" , Proceedings Of The Institution Of Mechanical Engineers Part G-Journal Of Aerospace Engineering, Vol.227 , NO.7 , PP.1090 _ 1100 , 26 June2013
- 8- 1:ALI KOOCHI - 2:HOSSEIN HOSSEINI TOUDESHPY - 3:HAMID REZA OVESY - 4:Mohammadreza Abadian, "Modeling the Influence of surface Effect on Instability of Nano-Cantilever in Presence of Van Der Waals Force" , International Journal Of Structural Stability And Dynamics, Vol.13 , NO.4 , PP.721 _ 7219 , 01 May2013
- 9- 1:MOHAMMAD HOSSEIN SHERAFAT - 2:S. A. M. Ghannadpour - 3:HAMID REZA OVESY, "Pressure loading, end-shortening and through-thickness shearing effects on geometrically nonlinear response of composite laminated plates using higher order finite strip method" , Structural Engineering And Mechanics, Vol.45 , NO.5 , PP.677 _ 691 , 10 March2013
- 10- 1:J.Fazilati - 2:HAMID REZA OVESY, "Parametric Instability of Laminated Longitudinally Stiffened Curved Panels with Cutout Using Higher Order FSM" , Composite Structures, Vol.95 , NO.1 , PP.691 _ 696 , 27 January2013
- 11- 1:HAMID REZA OVESY - 2:S. A. M. Ghannadpour - 3:EHSAN ZIA-DEHKORDI, "Buckling Analysis of Moderately Thick Composite Plates and Plate Structures Using an Exact Finite Strip" , Composite Structures, Vol.95 , NO.1 , PP.697 _ 704 , 27 January2013
- 12- 1:H. Assaee - 2:HAMID REZA OVESY - 3:MOHAMMAD HAJI KAZEMI - , "A Semi-Energy Finite Strip Non-Linear Analysis of Imperfect Composite Laminates Subjected to End-Shortening" , THIN-WALLED STRUCTURES , Vol.60 , NO.11 , PP.46 _ 53 , 21 November2012

- 13- 1:S. A. M. Ghannadpour - 2:HAMID REZA OVESEY, "High Accuracy Postbuckling Analysis of Channel Section Struts", International Journal Of Non-Linear Mechanics, Vol.47 , NO.9 , PP.968 _ 974 , 02 November2012
- 14- 1:S. A. M. Ghannadpour - 2:HAMID REZA OVESEY - 3:MOHAMMAD NASSIRNIA, "Buckling analysis of functionally graded plates under thermal loadings using the finite strip method", Computers & Structures, Vol.109-108 , NO.10 , PP.93 _ 99 , 01 October2012
- 15- 1:S. A. M. Ghannadpour - 2:HAMID REZA OVESEY - 3:MOHAMMAD NASSIRNIA, "High accuracy postbuckling analysis of box section struts", Zamm-Zeitschrift Fur Angewandte Mathematik Und Mechanik, Vol.92 , NO.8 , PP.668 _ 680 , 01 August2012
- 16- 1:HAMID REZA OVESEY - 2:J. Fazilati, "Parametric Instability Analysis of Moderately Thick FGM Cylindrical Panels Using FSM", Computers & Structures, Vol.109-108 , NO.5 , PP.135 _ 143 , 27 May2012
- 17- 1:H. Assaee - 2:MOHAMMAD HAJI KAZEMI - 3:HAMID REZA OVESEY, "The Effect of Anisotropy on Post-Buckling Behavior of Laminated Plates Using Semi-Energy Finite Strip Method", Composite Structures, Vol.94 , NO.5 , PP.1880 _ 1885 , 20 April2012
- 18- 1:HAMID REZA OVESEY - 2:JAMSHID FAZILATI, "Buckling and Free Vibration Finite Strip Analysis of Composite Plates with Cutout Based on Two Different Modeling Approaches", Composite Structures, Vol.94 , NO.3 , PP.1250 _ 1258 , 27 February2012
- 19- 1:JAMSHID FAZILATI - 2:HAMID REZA OVESEY, "Finite Strip Dynamic Instability Analysis of Perforated Cylindrical Shell Panels", Composite Structures, Vol.94 , NO.3 , PP.1259 _ 1264 , 20 February2012
- 20- 1:HAMID REZA OVESEY - 2:MOHSEN TAGHIZADEH - 3:M. Kharazi, "Post-Buckling Analysis of Composite Plates Containing Embedded Delaminations with Arbitrary Shape by Using Higher Order Shear Deformation Theory", Composite Structures, Vol.94 , NO.3 , PP.1243 _ 1249 , 31 January2012
- 21- 1:HAMID REZA OVESEY - 2:MOHAMMAD HAJI KAZEMI - 3:H. Assaee, "A Novel Semi Energy Finite Strip Method for Post-Buckling Analysis of Relatively Thick Anti-Symmetric Laminated Plates", Advances In Engineering Software, Vol.43 , NO.1 , PP.32 _ 39 , 29 January2012
- 22- 1:S. A. M. Ghannadpour - 2:HAMID REZA OVESEY - 3:MOHAMMAD NASSIRNIA, "An Investigation on Buckling Behaviour of Functionally Graded Plates Using Finite Strip Method", Applied Mechanics and Materials, Vol.154-152 , NO.1 , PP.1470 _ 1476 , 23 January2012
- 23- 1:HAMID REZA OVESEY - 2:JAMSHID FAZILATI, "Lay-up Effects on the Dynamic Instability of Moderately Thick Stiffened Curved Panels", Applied Mechanics and Materials, Vol.154-152 , NO.1 , PP.1477 _ 1482 , 23 January2012
- 24- 1:JAMSHID FAZILATI - 2:HAMID REZA OVESEY, "Boundary Condition Effects on the Parametric Stability of Moderately Thick Laminated Cylindrical Panels", Key Engineering Materials , Vol.471-472 , NO.0 , PP.466 _ 471 , 23 June2011
- 25- 1:S.A.M . Ghannadpour - 2:HAMID REZA OVESEY - 3:MOHAMMAD HAJIKAZEMI - , "An Investigation on Relative Post-Buckling Stiffness Variations of Symmetrically Cross-Ply Laminates" , Key Engineering Materials , Vol.471-472 , NO.0 , PP.1022 _ 1027 , 23 June2011
- 26- 1:MOHAMMAD NASSIRNIA - 2:HAMID REZA OVESEY - 3:S.A.M.Ghannadpour, "Thermal Buckling Analysis of Moderately Thick Plates Using Functionally Graded Strips", Key Engineering Materials, Vol.471-72 , NO.0 , PP.757 _ 762 , 23 June2011

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- 28- 1:HAMID REZA OVESY - 2:H.Assae - 3:MOHAMMAD HAJIKAZEMI - , "Post-buckling of thick symmetric laminated plates under end-shortening and normal pressure using semi-energy finite strip method" , COMPUTERS & STRUCTURES , Vol.89 , NO.0 , PP.724 _ 732 , 21 April2011
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- 32- 1:MAHSA KHARAZI SANAT SHOTORBAN - 2:HAMID REZA OVESY - , "Large Deflection Compressional Analysis of Unsymmetric Delaminated Composite Plates with Consideration of Contact Phenomenon" , Applied Composite Materials , Vol.17 , NO.5 , PP.0 _ 0 , 03 October2010
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- 34- 1:HAMID REZA OVESY - 2:MAHSA KHARAZI SANAT SHOTORBAN - 3: - , "Semi-analytical Buckling Analysis of Clamped Composite Plates Containing Embedded Rectangular and Circular Delaminations" , Mechanics of Advanced Materials and Structures , Vol.17 , NO.5 , PP.0 _ 0 , 02 July2010
- 35- 1:SEYED AMIRMAHDI GHANADPOUR - 2:HAMID REZA OVESY - , "Relative Post-buckling Stiffness Calculation of Symmetrically Laminated Composite Plates Using An Exact Finite Strip" , Advanced Materials Research , Vol.0 , NO.0 , PP.0 _ 0 , 02 July2010
- 36- 1:MAHSA KHARAZI SANAT SHOTORBAN - 2:HAMID REZA OVESY - 3:MOHSEN TAGHIZADEH - , "Buckling of the composite laminates containing through-the-width delaminations using different plate theories" , Composite Structures , Vol.92 , NO.5 , PP.0 _ 0 , 30 March2010
- 37- 1:HAMID REZA OVESY - 3:SEYED AMIRMAHDI GHANADPOUR - , "AN INVESTIGATION ON THE POST-LOCAL-BUCKLING ANALYSIS OF I-SECTION STRUTS USING FINITE STRIP METHOD" , Advanced Steel Construction, an International Journal , Vol.6 , NO.1 , PP.0 _ 0 , 01 March2010
- 38- 1:JAMSHID FAZILATI - 2:HAMID REZA OVESY - , "Dynamic instability analysis of composite laminated thin-walled structures using two versions of FSM" , Composite Structures , Vol.0 , NO.0 , PP.0 _ 0 , 02 November2009
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- 41- 1:SEYED AMIRMAHDI GHANADPOUR - 2:HAMID REZA OVESY - , "Exact Post -Buckling Stiffness Calculation of Box Section Struts" , , Vol. , NO.7 , PP.0 _ 0 , 01 July2009
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- 43- 1:SEYED AMIRMAHDI GHANADPOUR - 2:HAMID REZA OVESY - , "The application of an exact finite strip to the buckling of symmetrically laminated composite rectangular plates and prismatic plate structures" , , Vol.89 , NO.1 , PP.0 _ 0 , 01 June2009
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- 45- 1:MAHSA KHARAZI SANAT SHOTORBAN - 2:HAMID REZA OVESY - , "Postbuckling behavior of composite plates with through-the-width delaminations" , , Vol. , NO.46 , PP.0 _ 0 , 01 September2008
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- 50- 1:HAMID REZA OVESY - 2:SAYED HASSAN ASSAEE - , "The Effects of Bend-Twist Coupling on The Post-Buckling Characteristics of Composite Laminated Plates Using Semi-Energy Finite Strip Approach" , , Vol. , NO.45 , PP.0 _ 0 , 01 February2007
- 51- 1:HOSSEIN HOSSEINI TOUDESKEY - 2:BIJAN MOHAMMADI - 3:BEHRANG HAMIDI GHALEH JIGH - 4:HAMID REZA OVESY - , "Analysis of Composite Skin/ Stiffener Debonding and Failure Under Uniaxial Loading" , , Vol.0 , NO.75 , PP.0 _ 0 , 01 September2006
- 52- 1:HAMID REZA OVESY - 2:SEYED AMIRMAHDI GHANADPOUR - , "geometric non -Linear Analysis of Imperfect Composite Laminated Plates , Under end Shortening and Pressure Loading, Using Finite Strip Method" , Composite Structures , Vol.44 , NO.75 , PP.0 _ 0 , 01 September2006
- 53- 1:HAMID REZA OVESY - 2:SEYED AMIRMAHDI GHANADPOUR - 3:GHODRAT ALLAH MORADA - , "Post -Buckling Behavior of Composite Laminated Plates Under end Shortening and Pressure Loading, Using Two Versions of Finite Strip Method", Vol. , NO.75 , PP.0 _ 0 , 01 September2006

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- 56- 1:HAMID REZA OVESY - 2:SAYED HASSAN ASSAEE - , "An Investigation on The Post -Buckling Behavior of Symmetric Cross -Ply Laminated Plates Using a Semi- Energy Finite Strip Approach" , , Vol. , NO.71 , PP.0 _ 0 , 01 December2005
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- 58- 1:HAMID REZA OVESY - 2:SEYED AMIRMAHDI GHANADPOUR - 3:GHODRAT ALLAH MORADA - , "Geometric Non-Linear Analysis of Composite Laminated Plates With Initial Imperfection Under end Shortening, Using Two Versions of Finite Strip Method" , , Vol. , NO.71 , PP.0 _ 0 , 01 December2005
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