



Professor Jamshid Fazilati

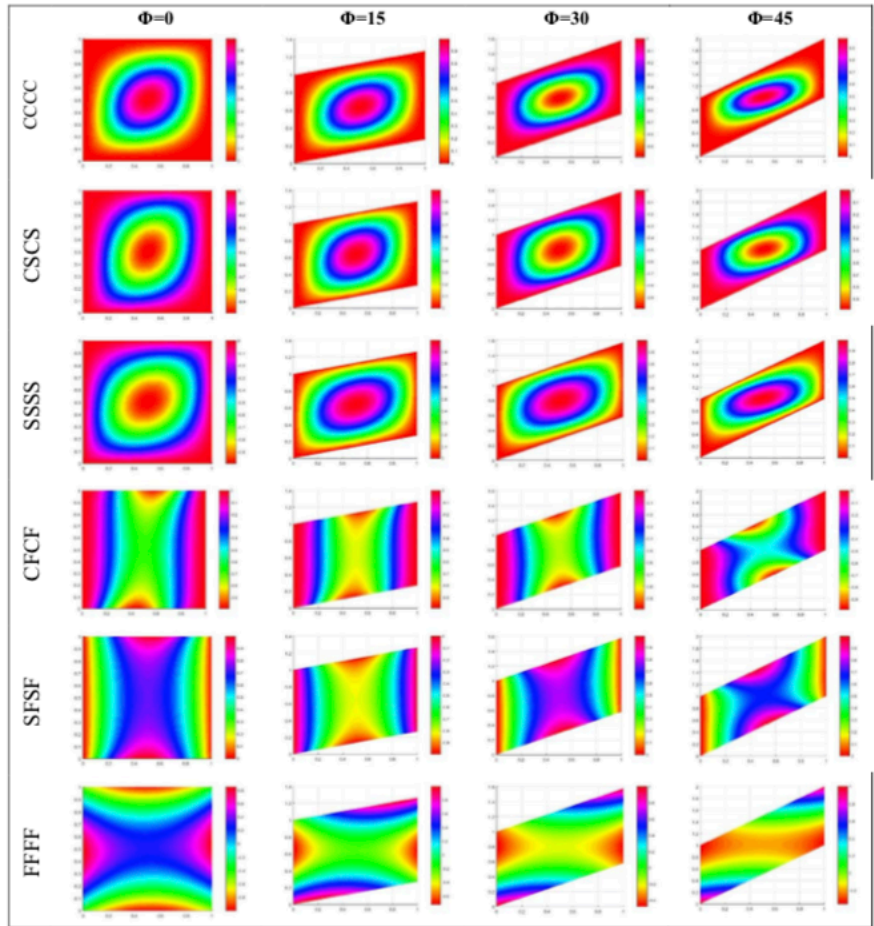


Fig 4. Fundamental mode shapes of VSCl Skew plate with layout $[\pm\langle 30,45 \rangle]$.

From: Vahid Khalafi and Jamshid Fazilati, “Free vibration analysis of variable stiffness composite laminated thin skew plates using IGA”, Journal of Theoretical and Applied Vibration and Acoustics, Vol. 4, No. 2, pp 170-187, 2018

See:

https://www.researchgate.net/profile/J_Fazilati

<https://scholar.google.com/citations?user=NXVKsrUAAAAJ&hl=en>

<http://www.ari.ac.ir/index.php/en/homepage/people-en/faculty-members-en/421-fazilati-en>

Aerospace Research Institute, Tehran, Iran

Education:

Ph.D. Aerospace Engineering Amirkabir University of technology, 2006-2011

M.Sc. Aerospace Engineering Amirkabir University of technology, 2003-2005

B.Sc. Aerospace Engineering Amirkabir University of technology, 1999-2003

Research Interests:

Numerical simulation, structural stability, structural mechanisms, structural health monitoring

Selected Publications:

Ovesy H.R., Fazilati J., Stability Analysis of Composite Laminated Plate and Cylindrical Shell Structures using Semi-Analytical Finite Strip Method. Composite Structures 89 (2009) 467–74.

Fazilati J., Ovesy H.R., Dynamic Instability Analysis of Composite Laminated Thin-Walled Structures using Two Versions of FSM. *Composite Structures* 92 (2010) 2060–65.

Fazilati J., Ovesy H.R., Boundary Condition Effects on the Parametric Stability of Moderately Thick Laminated Cylindrical Panels. *Key Engineering Materials* 471-472 (2011) 466-71.

Ovesy H.R., Fazilati J., Buckling and Free Vibration Finite Strip Analysis of Composite Plates with Cutout Based on Two Different Modeling Approaches *Composite Structures*, Volume 94, Issue 3, (2012), Pages 1250-1258,

Fazilati J., Ovesy H.R., Finite Strip Dynamic Instability Analysis of Perforated Cylindrical Shell Panels. *Composite Structures*, Volume 94, Issue 3, (2012), Pages 1259-1264

Ovesy H.R., Fazilati J., Lay-up Effects on the Dynamic Instability of Moderately Thick Stiffened Curved Panels *Applied Mechanics and Materials*, 152-154, (2012) 1477

Ovesy H.R., Fazilati J., Parametric Instability Analysis of Moderately Thick FGM Cylindrical Panels using FSM. *Computers & Structures*, Volumes 108–109, October 2012, Pages 135-143.

Fazilati J., Ovesy H.R., Parametric instability of laminated longitudinally stiffened curved panels with cutout using higher order FSM *Composite Structures*, Volume 95, (2013) 691–696

Ghannadpour S.A.M, Mohammadi B., Fazilati J., Bending, buckling and vibration problems of nonlocal Euler beams using Ritz method *Composite Structures*, Volume 96, (2013) 584-589

Ovesy H.R., Fazilati J., Parametric instability analysis of laminated composite curved shells subjected to non-uniform in-plane load *Composite Structures*, Volume 108, (2014) 449–455.

Mahmoudabadi, M. R., Ovesy, H. R., Fazilati, J., Dynamic instability analysis of laminated composite cylindrical panels using the first order shear deformation layerwise theory and spline finite strip method, In Persian, *J. Science and Technology of Composites*, Vol. 1, No. 1, (2014) 61 -74.

Sharbatdar, A., Fazilati, J., Geometrically Nonlinear Analysis of Moderately Thick Curved Composite Panels under Lateral Load, In Persian, *J. Science and Technology of Composites*, Vol. 2, No. 1, (2015) 53-64.

Alisadeghi, M., Fazilati, J., Optimization of Honeycomb Impact Attenuator using Genetic Algorithm Based on Response Surface Method and Design Of Experiment; Part I: Crashworthiness, *Modares Mechanical Engineering* Vol. 15, No. 12, pp. 25-36, 2015 (In Persian)

Alisadeghi, M., Fazilati, J., Optimization of Honeycomb Impact Attenuator using Genetic Algorithm Based on Response Surface Method and Design of Experiment; Part II: Optimization, *Modares Mechanical Engineering* Vol. 15, No. 12, pp. 37-45, 2015 (In Persian)

Fazilati J., Ghamarian A., Ariaeifar N. Thin -Walled Impact Energy Absorber Optimization in Dynamic Loading using Design Of Experiment Approach *Aerospace Mechanics Journal* Vol 13, No. 1, pp 73-85, 2016 (In Persian)

J. Fazilati Dynamic Stability of Moderately Thick Composite Laminated Skew Plates using Finite Strip Method *Mechanics of Advanced Composite Structures* 2 (2015) 145-150

J. Fazilati, M. Alisadeghi Multiobjective Crashworthiness Optimization of Multi-Layer Honeycomb Energy Absorber Panels under Axial Impact *Thin-Walled Structures* 107 (2016) 197–206

J. Fazilati Dynamic Behavior Analysis of Moderately Thick Composite Laminated Plates Containing Square Delaminations using Spline-FSM *Amirkabir Journal of Science and Technology (AJST-ME)* , Accepted, d.o.i: 10.22060/MEJ.2016.792 (In Persian)

J. Fazilati Stability Analysis of Variable Stiffness Composite Laminated Plates With Delamination using Spline-FSM *Latin American Journal of Solids and Structures* 14 (2017) 528-543.

Vahid Khalafi and Jamshid Fazilati, “Free vibration analysis of variable stiffness composite laminated thin plates using isogeometric analysis”, 7th International Conference on Acoustics and Vibration, Tehran, Iran, 28-29 November 2017

A. Hadi, S. Shakheshi, H.R. Ovesy, J. Fazilati Free Vibration of FGM Cylindrical Shells on Elastic Foundation under Axial force, Lateral Pressure and Different Boundary Conditions *Amirkabir Journal of Science and Technology (AJST-ME)* , Accepted manuscript, 10.22060/mej.2017.12362.5319 (In Persian)

A. Hadi, H.R. Ovesy, S. Shakheshi, J. Fazilati, Large amplitude dynamic analysis of FGM cylindrical shells on nonlinear elastic foundation under thermomechanical loads, *International Journal of Applied Mechanics (IJAM)*, Vol. 9(7), 1750105, 2017. (DOI: 10.1142/S1758825117501058)

J. Fazilati Stability Analysis of Variable Stiffness Composite Laminated Cylindrical Panels containing Delamination, *Journal of Reinforced Plastics and Composites* (2017) DOI: 10.1177/0731684417739988.

J. Fazilati, Supersonic panel flutter of curvilinear composite laminated plates in the presence of delamination, *Journal of Composite Materials*, 2017, (DOI: 10.1177/0021998318754641)

Vahid Khalafi and Jamshid Fazilati, "Free vibration analysis of variable stiffness composite laminated thin skew plates using IGA", *Journal of Theoretical and Applied Vibration and Acoustics*, Vol. 4, No. 2, pp 170-187, 2018

J. Fazilati, V. Khalafi, H. Shahverdi, 3-D Aero-Thermo-Elasticity Analysis of Functionally Graded Cylindrical Shell Panels, PartG: *Journal of Aerospace Engineering*, March 2018

V. Khalafi and J. Fazilati, "Optimization of tow-steered perforated variable stiffness composite laminates for vibration tailoring using IGA", 18th European Conference on Composite Materials, Athens, Greece, 24-28 June 2018

J. Fazilati. Panel flutter of curvilinear composite laminated plates in the presence of delamination, *Journal of Composite Materials*, doi: 10.1177/0021998318754641, 2018.

V. Khalafi and J. Fazilati, "Parametric instability behavior of tow steered laminated quadrilateral plates using isogeometric analysis", *Thin-Walled Structures*, Vol. 133, pp 96-105, December 2018

Khalafi, V., Fazilati, J.: Supersonic panel flutter of variable stiffness composite laminated skew panels subjected to yawed flow by using NURBS-based isogeometric approach. *J. Fluids Struct.* 82, 198–214 (2018)

J. Fazilati and V. Khalafi, "Effects of embedded perforation geometry on the free vibration of tow-steered variable stiffness composite laminated panels", Article 106287, *Thin-Walled Structures*, Vol. 144, November 2019