



Amir Hossein Kazemian

Associate Professor

Faculty : Engineering

Departments : Mechanical Engineering

Phone : +9854 - 31132782

Email : kazemian@eng.usb.ac.ir

Address : Dept.of Mechanical Engineering, Faculty of Engineering, University of Sistan and Baluchestan, Daneshgah Ave., Zahedan, Iran.

Education

- ✓ B.Sc, Mechanical Engineering, Shahid Bahonar University of Kerman - 2001
- ✓ MS, Mechanical Engineering, Iran University of Science and Technology - 2005
- ✓ PhD, Mechanical Engineering, Shahid Bahonar University of Kerman - 2017

Courses

1. Introduction to the finite element Method
2. Automatic Control
3. Advanced Vibrations
4. Technical drawing 2
5. Research methods
6. Elasticity
7. tarahi badanah shsi va khodrow
8. Methods of Engineering Design
9. Bearings Lubrication
10. Composites
11. mo
12. Pnematic
13. Technical drawing 1
14. Measurement Systems
15. Mechanical Vibration
16. Technical drawing 1
17. Production methods, and workshops
18. Mechanics of materials I
19. Mechanics of materials II
20. Statics
21. method of energy
22. Finite Elements
23. Composites
24. Project Management and Control
25. Selected topics in Design
26. Bearings Lubrication

Master Thesis

1. Optimization of energy absorption in auxetic hierarchical honeycomb crash box using Particle swarm optimization (PSO) algorithm

صائب خانه زئي, [Hossein Rahmani, Amir Hossein Kazemian]

نيمسال اول سال تحصيلي 1401-1402

2. Numerical and laboratory analysis of vibrational properties of aluminum plates in different radius of curvature reinforced with glass fibers by modal analysis method

امين جعفري كهخا, [Amir Hossein Kazemian, Hossein Rahmani]

نيمسال دوم سال تحصيلي 01-00

3. Design and numerical investigation of a modified magnetorheological damper for an automotive vehicle

فاضل حسين زاده, [Faramarz Sarhaddi, Amir Hossein Kazemian]

نيمسال اول سال تحصيلي 99-98

4. Investigation of effective parameters on safety of sport utility vehicles with semi active suspension system and improvement of stability with robust control

علي شهابي رابري, [Amir Hossein Kazemian, Said Farahat, Faramarz Sarhaddi, Hossein Moeinkhah, Hossein Rahmani, Hamed Khosravi,]

نيمسال اول سال تحصيلي 99-98

Journals Papers

2024

1. [Investigating of Vibration Properties of Aluminum Plates in Radii of Different Curvatures Reinforced with Glass Fibers by Modal Analysis Method Experimentally and Numerically](#)

Amin Jafari kahkha, Hossein Rahmani, Amir Hossein Kazemian

FIBERS AND POLYMERS Volume: (25) 1457 - 1478

2. [Vibration Analysis of Sandwich Panel Structures: A Homogenized Simulation Approach with Modal Analysis](#)

Amirreza Mousavi, Amir Hossein Kazemian

Volume: (22) 17 - 30

3. [Investigation of the Collapse Behavior of Aluminum Burr-Filled Cylindrical Energy Absorber Under Low-Velocity Impact](#)

Mohsen Ghasemi manesh, Amir Hossein Kazemian, Hossein Rahmani

Journal of Dynamic Behavior of Materials Volume: (10) 338 - 347

4. [Optimisation of collapse in functionally graded thickness honeycomb under axial impact loading](#)

Saeb Khanezaei, Amir Hossein Kazemian, Hossein Rahmani

INTERNATIONAL JOURNAL OF CRASHWORTHINESS Volume: (29) 1 - 11

5. [Investigation of energy absorption in epoxy-based Aramid fabrics -Basalt hybrid composites under oblique high velocity impact](#)

Hossein Rahmani, Amir Hossein Kazemian, Mohammad Imanparast

POLYMER BULLETIN Volume: () 1 - 13

2023

6. [Numerical and Experimental Investigations on the Low Velocity Impact Properties of Glass Fiber Reinforced Epoxy Composites: Effects of Radius of Curvature](#)

Mohammadjavad Avazpouremadabadi, Amir Hossein Kazemian, Hossein Rahmani

FIBERS AND POLYMERS Volume: (24) 3289 - 3298

7. [The effect of convexity in energy absorption of E-glass reinforced epoxy composites under high velocity impact: An experimental and numerical investigation](#)

Abolfazl Vaezi manesh, Amir Hossein Kazemian, Hossein Rahmani

POLYMER COMPOSITES Volume: (44) 8615 - 8626

8. [Vibration Behavior of the Planetary Gear System by Considering the Fixed Output](#)

, Amir Hossein Kazemian

International Journal of Advanced Design and Manufacturing Technology Volume: (16) 35 - 43

2022

ارائه مدل آماری بر مبنای زنجیره مارکوف برای پیش بینی عمر خستگی در اتصالات دولبه کامپوزیتی
چسبی

Ebrahim Salehi, Pooria Akbarzadeh, Amir Hossein Kazemian

Volume: (12) 91 - 102

10. Analysis of Time-Varying Mesh Stiffness for the Planetary Gear System with Analytical and Finite Element Methods

, Amir Hossein Kazemian

International Journal of Advanced Design and Manufacturing Technology Volume: (15) 157 - 166

2021

11. DYNAMIC BEHAVIOR OF THE FULL-CAR MODEL IN THE J-TURN MANEUVER BY CONSIDERING THE ENGINE GYROSCOPIC EFFECTS

, Amir Hossein Kazemian, Said Farahat, Faramarz Sarhaddi

Komunikacie Volume: (23) 237 - 249

12. Vehicles Dynamic Behavior in Fishhook Maneuver by Considering the Engine Dynamics

, Amir Hossein Kazemian, Said Farahat, Faramarz Sarhaddi

International Journal of Advanced Design and Manufacturing Technology Volume: (14) 23 - 35

13. The influence of engine gyroscopic moments on vehicle transient handling

, Amir Hossein Kazemian, Said Farahat, Faramarz Sarhaddi

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART D-JOURNAL OF AUTOMOBILE ENGINEERING Volume: (235) 2425 - 2441

14. Wheel slip ratio regulation for investigating the vehicles dynamic behavior during braking and steering input

, Amir Hossein Kazemian, Said Farahat, Faramarz Sarhaddi

Mechanics and Industry Volume: (22) 1 - 11

15. Dynamic and Vibration Analysis for Geometrical Structures of Planetary Gears

, Amir Hossein Kazemian

Journal of Solid Mechanics Volume: (13) 384 - 398

2019

16. Non-linear control of vehicles rollover using sliding mode controller for new 8 degrees of freedom suspension model

Amir Hossein Kazemian, Majid Fooladi, Hossein Darijani

International Journal of Heavy Vehicle Systems Volume: (26) 707 - 726

17. Effect of Gurney Flap on Airfoil Lift Coefficient by Design of Experiment (DOE) Method

mohamad ehsan kazemian, Amir Hossein Kazemian, seyed mohamad Jaafarian

Volume: (19) 2857 - 2863

2018

18. The Investigation of Increasing the Degree of Freedom on Improvement of Stability and Reduction of Rollover by using Sliding Mode Control Method

Amir Hossein Kazemian, Majid Fooladi, Hossein Darijani

Volume: (2) 239 - 249

2017

19. Rollover Index for the Diagnosis of Tripped and Untripped Rollovers

Amir Hossein Kazemian, ,

Latin American Journal of Solids and Structures Volume: (14) 1979 - 1999

20. Rollover Index for the Diagnosis of Tripped and Untripped Rollovers

Amir Hossein Kazemian, Majid Fooladi, Hossein Darijani

Latin American Journal of Solids and Structures Volume: (14) 1979 - 1999

1. Analysis of vibration behavior of piezoelectric microcantilever with wedge and triangular geometries in air environments

Mahnaz Narueimarand, Amir Hossein Kazemian,

2020

2. Time-varying mesh stiffness of meshing gears in composed planetary gear system with meshed planets

6th National Conference on Applied Research in Electrical, Mechanical and Mechatronics Engineering

, Amir Hossein Kazemian

3. Analysis of time-varying mesh stiffness of meshing gears for the single-stage spur planetary gear system

2nd .International Congress on Science, Engineering and Technology MUNICH - GERMANY

, Amir Hossein Kazemian, yazdanparast leila

4. Vibration behavior of the single-stage spur planetary gear system with linear and nonlinear dynamics

2nd Monaco Conference on Mechanical, Electrical, Computer and Engineering Sciences

, Amir Hossein Kazemian, Leila Yazdanparast

2019

5. Free Vibration drilling field analysis of GDQ

5th International Conference on Applied Research in Electrical, Mechanical Mechatronics Engineering

, Amir Hossein Kazemian

6. Influence of suspension system components on dynamic behavior of vehicles

5th national conference on electrical and mechatronics engineering

, Amir Hossein Kazemian, Said Farahat

7. Influence of Suspension System Componentes on Dynamic Behavior of Vehicle

Fifth National Conference on Electrical and Mechatronics Engineering of Iran

, Amir Hossein Kazemian, saeed farahat

2013

8. Elastic-plastic investigation of thick FGM sphere under heat load

2nd National Conference of Ahvaz Mechanical Engineering Mechanical Systems Industrial Innovations

Mohammad Imanparast, Amir Hossein Kazemian

2012

9. Simulation of deep stretch hydroforming process using Abaqus software

1st National Conference on Mechanical Systems Simulation

Amir Hossein Kazemian, , Sayyed abbas Talebi

2008

10. Response of a Multi-step Beam to Axial Impulse Loading

The 7th Conference of Iranian Aerospace Society

Amir Hossein Kazemian, Hamid Ahmadian

Research Project

2023

1. Optimizing the liner design to reduce the effect of erosion and cavitation in the OD-OD electromagne

Amir Hossein Kazemian - 2023