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Education

- B.Sc, Mechanical Engineering - Mechanics in Heat and Flu,Shahrood University of Technology - 2005
- MS, Mechanical Engineering,Semnan University - 2009
- PhD, Mechanical Engineering,Semnan University - 2014

Courses

1. Mechatronics 1
2. Application microprocessors
3. Mechatronics 2
4. Advanced Elasticity

Journals Papers

2022

1. An experimental and numerical study of epoxy-based Kevlar-basalt hybrid composites under high velocity impact

Azizolrahman Amirian, Hossein Rahmani, Hossein Moeinkhah

Journal of Industrial Textiles Volume: (51) 804 - 821

2021

2. Numerical Study of the Non-linear Vibrations of Electrically Actuated Curved Micro-beams Considering Thermoelastic Damping

Mohammad Reza Salehi Kolahi, Hossein Moeinkhah, Hossein Rahmani

Communications in Nonlinear Science and Numerical Simulation Volume: (103) 1-106009 - 15-106009

3. Stress Wave Propagation in 2D Functionally Graded Media: Optimization of Materials Distribution

Parham Rajabi, Hossein Rahmani,

journal of advanced design and manufacturing technology Volume: (14) 49 - 63

4. Numerical and experimental investigations on the low?velocity impact properties of hybrid Kevlar fiber/basalt fiber reinforced epoxy composites: Effects of impactor nose shape and fiber stacking sequences

Mohammadreza Karamooz, Hossein Rahmani, Hamed Khosravi

POLYMER COMPOSITES Volume: (42) 6442 - 6454

5. Design of an integral super twisting sliding mode controller for position control and extending the traveling range of initially curved micro-beams

Mohammad Reza Salehi Kolahi, Hossein Moeinkhah, Hossein Rahmani

JOURNAL OF VIBRATION AND CONTROL Volume: () -

6. Mechanical analysis of shrink-fitted thick FG cylinders based on first order shear deformation theory and FE simulation

Mohammad Reza Salehi Kolahi, Hossein Rahmani, Hossein Moeinkhah

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE Volume: (235) 6388 - 6397

7. Non-singleton fuzzy control for multi-synchronization of chaotic systems

Mohammad Ahmadi Balootaki, Hossein Rahmani, Hossein Moeinkhah, Ardashir Mohammadzadeh

APPLIED SOFT COMPUTING Volume: (99) 106921-1 - 106924-14

2020

8. Torsional wave propagation in 1D and two dimensional functionally graded rod

, Hossein Rahmani, Mohammad Ahmadi Balootaki

Journal of Computational Applied Mechanics Volume: (51) 1 - 20

9. Elastic analysis of Shrink-fitted Thick FGM Cylinders Based on Linear Plane Elasticity Theory

Mohammad Reza Salehi Kolahi, Mohammadreza Karamooz, Hossein Rahmani

Mechanics of Advanced Composite Structures Volume: (7) 121 - 127

10. On the Synchronization and Stabilization of fractional-order chaotic systems: Recent advances and future perspectives

Mohammad Ahmadi Balootaki, Hossein Rahmani, Hossein Moeinkhah, Ardashir Mohammadzadeh

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: (551) 124203-1 - 124203-16

11. Studying the Effect of Pulse Shape on Dynamic Stress Intensity Factor at the Finite Crack Tip Using Displacement Fields

Hossein Rahmani, Mohammad Ahmadi Balootaki

International Journal of Advanced Design and Manufacturing Technology Volume: (13) 109 - 117

12. مطالعه تجربي و عددي رفتار ضربه کم سرعت کامپوزيت هاي زمينه پليمري هيبريدي کولار - بازالت

Mohammadreza Karamooz, Hossein Rahmani, Hamed Khosravi

Volume: (7) 44 - 55

13. A QFT ROBUST CONTROLLER AS A REMEDY FOR TRMS

Mostafa Honari Torshizi, Hossein Rahmani, Hossein Moeinkhah, Mohammad Reza Gharib, Javad Jahanpour

Aviation Volume: (24) 137 - 148

14. Hybrid Effects of Basalt and Kevlar Fibers on Low-velocity Impact Behavior of Epoxy-based Composites

Mohammadreza Karamooz, Hossein Rahmani, Hamed Khosravi

FIBERS AND POLYMERS Volume: (21) 2590 - 2598

15. Analytical and numerical investigation of cylindrical energy absorbers with functionally graded thickness

, Hossein Rahmani

Volume: (10) 91 - 102

2019

16. Electrochemical viscoelastic modeling to predict quasi-static and dynamic response of IPMC actuators

Sajad Sampour, Hossein Moeinkhah, Hossein Rahmani

MECHANICS OF MATERIALS Volume: (138) 103172 -

17. سنجش بهينه سازي عرشه پل هاي بتني پيش تنيده بر پايه آيين نامه هاي اشتو استاندارد و آشتو LRFD با بهره جويي از الگوريتم فاخته

Zahra Hazrati Moghim, Ali Kheyroddin, Hosein Naderpour, Hossein Rahmani

Volume: (16) 18 - 18

18. Analytical Solution for Nonlinear Dynamic Response of the Viscoelastic Microbeam Under Electrical Actuation Based Upon Micropolar Theory of Elasticity

Sajad Sampour, Hossein Moeinkhah, Hossein Rahmani

Volume: (9) 125 - 138

2015

19. بررسي تاثيرات زمان فراز بار ضربه اي بر ضريب شدت تنش ديناميكي در ترك دو بعدي نيمه بينهايت بر روي جسم نامحدود

, Hossein Rahmani

Volume: (13) 79 - 87