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Education

- ✓ PhD, Civil Engineering - Structure, Sistan and Baluchestan University - 2014

Courses

- | | |
|---|-------------------------------------|
| 1. Statics | 2. Building Construction II |
| 3. Statics 1 | 4. Building Structures |
| 5. Earthquake and Wind Eng. | 6. Dynamics |
| 7. Computer Application in Architecture | 8. Static and Strength Of Materials |

Thesis

Master Thesis

1. Leakage and energy assessment in water distribution systems by reliability based design optimization approach

[Gholamreza Azizyan, Seyed Arman Hashemi Monfared, Mohsen Rashki]

نیمسال دوم سال تحصیلی 98-99

2. An experimental investigation on the effect of workability on the concrete shear strength

[Hamed Ghohani Arab, Mohsen Rashki]

نیمسال دوم سال تحصیلی 97-98

3. Estimation of Settlement and Pore Water Pressure of Earth Dam Using Bayesian Estimators: A Case Study of the Pishin Dam

[Mehdi Azhdary Moghaddam, Mohsen Rashki]

نیمسال دوم سال تحصیلی 97-98

4. investigation of the effecting pozzolan on high strength concrete

[Mahmoud Miri, Mohsen Rashki]

نیمسال دوم سال تحصیلی 97-98

5. An experimental investigation on the effect of workability on the concrete shear strength

[Hamed Ghohani Arab, Mohsen Rashki]

نیمسال اول سال تحصیلی 97-98

6. investigation of the effecting pozzolan on high strength concrete

[Mahmoud Miri, Mohsen Rashki]

نیمسال اول سال تحصیلی 97-98

7. Estimation of Settlement and Pore Water Pressure of Earth Dam Using Bayesian Estimators: A Case Study of the Pishin Dam

[Mehdi Azhdary Moghaddam, Mohsen Rashki]

نیمسال اول سال تحصیلی 97-98

8. an exprimental investigation on shear-transfer strength with intented interfaces of concrete

[Hamed Ghohani Arab, Mohsen Rashki]

نیمسال اول سال تحصیلی 95-96

9. Realibility Assessment of structures using spectral stochastic finite element method

[Hamed Ghohani Arab, Mohsen Rashki]

نیمسال اول سال تحصیلی 95-96

10. simulatio-based realibility analysis using Kriging method

[Hamed Ghohani Arab, Mohsen Rashki]

نیمسال اول سال تحصیلی 95-94

11. Probabilistic analysis of steel plates on elastic foundation

[Seyed roohallah Mousavi, Mohsen Rashki]

نیمسال اول سال تحصیلی 93-94

Journals Papers

2022

1. AK-SESC: a novel reliability procedure based on the integration of active learning kriging and sequential space conversion method

Ala Ameryan, Mansour Ghalehnovi, Mohsen Rashki

RELIABILITY ENGINEERING and SYSTEM SAFETY Volume: (217) 108036 -

2021

2. An enhanced binary dragonfly algorithm based on a V-shaped transfer function for optimization of pump scheduling program in water supply systems (case study of Iran)

JAFAR JAFARI-ASL, Gholamreza Azizyan, Seyed Arman Hashemi Monfared, Mohsen Rashki, Antonio G. Andrad

ENGINEERING FAILURE ANALYSIS Volume: (123) 105323-1 - 105323-16

3. SESC: A new subset simulation method for rare-events estimation

Mohsen Rashki

MECHANICAL SYSTEMS AND SIGNAL PROCESSING Volume: (150) 107139-1 - 107139-24

4. Structural reliability reformulation

Mohsen Rashki

STRUCTURAL SAFETY Volume: (88) 102006-1 - 102006-13

5. Horse herd optimization algorithm: A nature-inspired algorithm for high-dimensional optimization problems

Farid MiarNaeimi, Gholamreza Azizyan, Mohsen Rashki

KNOWLEDGE-BASED SYSTEMS Volume: (213) 1 - 18

6. Estimating Pier Scour Depth: Comparison of Empirical Formulations with ANNs, GMDH, MARS, and Kriging

Moslem Zarbazousiahkali, Abas ali Ghaderi, Abdolhamid Bahr Peyma, Mohsen Rashki, naser safaeean hamz

Journal of Artificial Intelligence and Data Mining Volume: (9) 109 - 128

7. The soft Monte Carlo method

Mohsen Rashki

APPLIED MATHEMATICAL MODELLING Volume: (94) 558 - 575

2020

8. Reliability Mesh Convergence Analysis by Introducing Expanded Control Variates

, Mohsen Rashki, Hamed Ghohani Arab, Mehdi Azhdary Moghaddam

Frontiers of Structural and Civil Engineering Volume: (14) 1012 - 1023

9. A refined subset simulation for the reliability analysis using the subset control variate

Azam Abdollahi, Mehdi Azhdary Moghaddam, Seyed Arman Hashemi Monfared, Mohsen Rashki, Yong Li

STRUCTURAL SAFETY Volume: (87) 102002-1 - 102002-13

10. Simplified Spectral Stochastic Finite Element Formulations for Uncertainty Quantification of Engineering Structures

Abbas Yazdani, Hamed Ghohani Arab, Mohsen Rashki

Structures Volume: (28) 1924 - 1945

11. Investigation of shear strength correlations and reliability assessments of sandwich structures by kriging method

Ala Ameryan, Mansour Ghalehnovi, Mohsen Rashki

COMPOSITE STRUCTURES Volume: (253) 112782-1 - 112782-16

12. Probabilistic Evaluation on the Free Vibration of Functionally Graded Material Plates Using 3D Solution and Meta-Model Methods

Naser Cheragi, Mahmoud Miri, Mohsen Rashki

Volume: (39) 45 - 66

13. First order control variates algorithm for reliability analysis of engineering structures

Mansour Ghalehnovi, Mohsen Rashki, Ala Ameryan

APPLIED MATHEMATICAL MODELLING Volume: (77) 829 - 847

14. Subset simulation method including fitness-based seed selection for reliability analysis

Azam Abdollahi, Mehdi Azhdary Moghaddam, Seyed Arman Hashemi Monfared, Mohsen Rashki, Yong Li

ENGINEERING WITH COMPUTERS Volume: () -

2019

15. Refined first-order reliability method using cross-entropy optimization method

Hamed Ghohani Arab, Mohsen Rashki, Mehdi Rostamian, , Hossein Shahraki, Behrooz Keshtegar

ENGINEERING WITH COMPUTERS Volume: (35) 1507 - 1519

16. Reliability and reliability-based sensitivity analysis of shell and tube heat exchangers using Monte Carlo Simulation

Hassan Azarkish, Mohsen Rashki

APPLIED THERMAL ENGINEERING Volume: (159) 113842 -1 - 113842 -11

17. System-level reliability sensitivity analysis by using weighted average simulation method

Mohsen Rashki, Mehdi Azhdary Moghaddam, Mahmoud Miri

QUALITY AND RELIABILITY ENGINEERING INTERNATIONAL Volume: (35) 1826 - 1845

18. Classification correction of polynomial response surface methods for accurate reliability estimation

Mohsen Rashki, Hassan Azarkish, Mehdi Rostamian, Abdolhamid Bahr Peyma

STRUCTURAL SAFETY Volume: (81) 1 - 12

19. Reliability sensitivity analysis method based on subset simulation hybrid techniques

Farid MiarNaeimi, Gholamreza Azizyan, Mohsen Rashki

APPLIED MATHEMATICAL MODELLING Volume: (75) 607 - 626

20. Flying Squirrel Optimizer (FSO): A Novel SI-Based Optimization Algorithm for Engineering Problems

Gholamreza Azizyan, Farid MiarNaeimi, Mohsen Rashki, Naser Shabakhti

iranian journal of optimization Volume: (11) 177 - 205

2018

21. Low-cost finite element method-based reliability analysis using adjusted control variate technique

Mohsen Rashki, , Hamed Ghohani Arab, Seyed roohallah Mousavi

STRUCTURAL SAFETY Volume: (75) 133 - 142

22. New simulation-based frameworks for multi-objective reliability-based design optimization of structures

, Mahmoud Miri, Mohsen Rashki

APPLIED MATHEMATICAL MODELLING Volume: (62) 1 - 20

23. Hybrid control variates-based simulation method for structural reliability analysis of some problems with low failure probability

Mohsen Rashki

APPLIED MATHEMATICAL MODELLING Volume: (60) 220 - 234

24. Using Response Surface Methodology and providing a modified model using whale algorithm for estimating the compressive strength of columns confined with FRP sheets

, Seyed roohallah Mousavi, , Mohammad Reza Sohrabi, Mohsen Rashki

CONSTRUCTION AND BUILDING MATERIALS Volume: (183) 163 - 170

25. Multi-level cross entropy optimizer (MCEO): an evolutionary optimization algorithm for engineering problems

Farid MiarNaeimi, Gholamreza Azizyan, Mohsen Rashki

ENGINEERING WITH COMPUTERS Volume: (34) 719 - 739

26. An improved binary bat flexible sampling algorithm for reliability-based design optimization of truss structures with discrete-continuous variables

, Mahmoud Miri, Mohsen Rashki

ENGINEERING COMPUTATIONS Volume: (35) 641 - 671

27. Adapted Design Of Experiments for Dimension Decomposition Based Meta Model in Structural Reliability Analysis

Mehralah RakhshaniMeh, Hamed Mirkamali, Mohsen Rashki, Abdolhamid Bahr Peyma

Scientia Iranica Volume: (0) 0 - 0

2017

28. Reliability-based design optimization of rotating FGM cylindrical shells with temperature-dependent probabilistic frequency constraints

, Mahmoud Miri, Mohsen Rashki

AEROSPACE SCIENCE AND TECHNOLOGY Volume: (68) 223 - 239

29. Probabilistic and Experimental investigating the effect of pozzolan and Lumachelle fine aggregates on roller compacted concrete properties

Mostafa Aliahmad, Mahmoud Miri, Mohsen Rashki

CONSTRUCTION AND BUILDING MATERIALS Volume: (151) 755 - 766

30. The Effect of FEM Mesh Density on the Failure Probability Analysis of Structures

, Seyed roohallah Mousavi, Mohsen Rashki

KSCE Journal of Civil Engineering Volume: (22) 2371 - 2383

31. RELIABILITY AND SENSITIVITY ANALYSIS OF STEEL AND CONCRETE PILES USING SIMULATION METHODS

mehrollah rakhshanimehr, , , Mohsen Rashki

Volume: (33) 61 - 69

2016

32. Reliability-Based Design Optimization of Structures using Modified Weighted Simulation Method

, Mahmoud Miri, Mohsen Rashki

Volume: (35) 1 - 22

33. An enhanced simulationbased design method coupled with metaheuristic search algorithm for accurate reliabilitybased design optimization

, Mahmoud Miri, Mohsen Rashki

ENGINEERING WITH COMPUTERS Volume: (32) 477 - 495

2015

34. A method to rank and measure the importance of random variables of random variables on failure probability of structures

Mohsen Rashki, Mahmoud Miri, Mehdi Azhdary Moghaddam

Volume: (33) 19 - 36

35. An enhanced simulation-based design method coupled with meta-heuristic search algorithm for accurate reliability based design optimization

, Mahmoud Miri, Mohsen Rashki

ENGINEERING WITH COMPUTERS Volume: () 1 - 10

2013

36. Closure to "A new efficient simulation method to approximate the probability of failure and most probable point

Mohsen Rashki, Mahmoud Miri, Mehdi Azhdary Moghaddam

STRUCTURAL SAFETY Volume: () 15 - 16

Conferences Papers

2017

1. Effect of failure limit on finite element-based reliability analysis of plate on elastic foundation

10th National Congress on Civil Engineering

, Seyed roohallah Mousavi, Mohsen Rashki

2. Performance Evaluation of water treatment plans based on reliability analysis

16 th Iranian Hydraulic conference

, , Mehdi Azhdary Moghaddam, Mohsen Rashki