



Zahra Amirabi

Famagusta, TRNC

PERSONAL DATA

Date and Place of Birth: 14/04/1976, Tehran - Iran.
Nationality: Iranian
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ACADEMIC QUALIFICATIONS

- 2012 PhD in Theoretical Physics, EMU, north Cyprus - TURKEY.
- 2008 MS in Theoretical Physics, EMU, north Cyprus - TURKEY.
- 2002 BS in APPLIED Physics, University of Isfahan, Isfahan - IRAN.

WORK EXPERIENCE

- 2006-2012: Teaching and Research Assistant, Department of Phys., EMU, G. Magusa, north Cyprus.
- 2012-present: Working as a Lecturer, Department of Physics, EMU, G. Magusa, north Cyprus.

LANGUAGES

Farsi (native), English (advance).

RESEARCH INTERESTS

- General Relativity.
- Black Holes and Wormholes.
- New Solutions in Einstein's Theory.
- Higher Dimensions in General Relativity.
- Thin-shells and thin-shell wormholes in lower and higher dimensions.

REFERENCES

Prof. Dr. Mustafa Halilsoy
Department of Physics,
EMU, G. Magusa, north Cyprus, Mersin 10, TURKEY.
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- The courses I taught: PHYS101, PHYS102, PHYS205, PHYS206, PHYS111.
- The courses I can teach: General Physics, Electromagnetism, Quantum Mechanics, General Mathematics, Differential Equation.

CONFERENCES ATTENDED

1. 10th Workshop on QUANTIZATION, DUALITIES& INTEGRABLE SYSTEMS
Eastern Mediterranean University, G. Magusa, north Cyprus, Turkey, April 22-24, 2011
2. 11th Workshop on QUANTIZATION, DUALITIES& INTEGRABLE SYSTEMS
Department of Physics, Faculty of Art and Sciences, Pamukkale University, Turkey, April 21-23, 2012
3. The Seventh Harvard-Smithsonian Conference on Theoretical Astrophysics
The Institute for Theory and Computation (ITC), Harvard-Smithsonian Center for Astrophysics, USA, May 14-17, 2012

LIST OF PUBLICATIONS

1. S. Habib Mazharimousavi, M. Halilsoy and **Zahra Amirabi**, Classical and Quantum Gravity **28**, (2011) 025004: "*Higher-dimensional thin-shell wormholes in Einstein-Yang-Mills-Gauss-Bonnet gravity*"
2. S. Habib Mazharimousavi, M. Halilsoy and **Zahra Amirabi**, Phys. Rev. D **81**, (2010) 104002: "*Stability of thin-shell wormholes supported by normal matter in Einstein-Maxwell-Gauss-Bonnet gravity*"
3. S. Habib Mazharimousavi, M. Halilsoy and **Zahra Amirabi**, General Relativity and Gravitation **42** (2010) 261: "*N-Dimensional non-abelian dilatonic, stable black holes and their Born-Infeld extension.*"
4. S. Habib Mazharimousavi, M. Halilsoy and **Zahra Amirabi**, Phys. Rev. D **78** (2008) 064050: "*New non-Abelian black hole solution in Born-Infeld gravity.*"
5. S. Habib Mazharimousavi, M. Halilsoy and **Zahra Amirabi**, Phys.Lett. A **375** (2011) 231: "*d-Dimensional non-asymptotically flat thin-shell wormholes in Einstein-Yang-Mills-dilaton gravity.*"
6. S. Habib Mazharimousavi, M. Halilsoy and **Zahra Amirabi**, Phys.Lett. A **375** (2011) 3649: "*Thin-shell wormhole solution in Einstein-Hoffmann-Born-Infeld theory.*"
7. **Zahra Amirabi**, M. Halilsoy and S. Habib Mazharimousavi, Phys. Rev. D **88**, 124023 (2013): "*Stable thin-shell wormholes with a Chaplygin gas in Einstein-Maxwell-Gauss-Bonnet gravity.*"
8. **Zahra Amirabi**, Phys. Rev. D **88**, 087503 (2013): "*Black hole solution in third order Lovelock gravity has no Gauss-Bonnet limit.*"

9. S. Habib Mazharimousavi, M. Halilsoy and **Zahra Amirabi**, Phys. Rev. D **89**, 084003 (2014): "*Stability of generic cylindrical thin shell wormholes.*"
10. S. Habib Mazharimousavi, M. Halilsoy and **Zahra Amirabi**, Eur. Phys. J. C **74**, 2889 (2014): "*Microscopic thin shell wormholes in magnetic Melvin universe.*"
11. S. Habib Mazharimousavi, **Zahra Amirabi** and M. Halilsoy, Submitted to General Relativity and Gravitation (2015): "*Magnetic Morris-Thorne wormhole in 2+1-dimensions.*"
12. **Zahra Amirabi**, M. Halilsoy and S. Habib Mazharimousavi, Submitted to Physical Review D (2015): arXiv:1509.06967 "*Generic spherically symmetric metrics in $f(R)$ gravity.*"
13. **Zahra Amirabi**, M. Halilsoy and S. Habib Mazharimousavi, In preparation (2015): "*Thin-shell wormholes in $f(R)$ gravity.*"