

Curriculum Vitae

SHAHROKH PARVIZI

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1 Personal Data

- Name: Shahrokh Parvizi
- Date of Birth: 1967
- Nationality: Iranian
- Marital Status: Married, one child

2 Education

- B. Sc. Mechanical Engineering, Shiraz University, Shiraz, Iran, Feb. 1991
- M.Sc. Physics, Tehran University, Tehran, Iran, Feb. 1993
- PhD. Physics, Sharif University of Technology, Tehran, Iran, Oct. 1996

3 Research Interest

- String Theory
- Holography: Gravity/Field Theory Correspondence

4 Employment Records

- Tarbiat Modares University, Tehran, Iran, Sep. 2010-Present.
- Sharif University of Technology, Tehran, Iran, Sep. 2006- Sep. 2010,
- Institute for Research in Fundamental Sciences (IPM), Tehran, Iran, Apr. 2002- Sep. 2006,
- Tata Institute of Fundamental Research (TIFR), Mumbai, India, (Visiting Fellow) May 2001- Apr. 2002,
- Institute for Research in Fundamental Sciences (IPM), Tehran, Iran, Sep. 2000- May 2001,
- Shahid Rajaei University, Tehran, Iran, Feb. 1999- Sep. 2000,
- Military Service, Tehran, Iran, Sep. 1997- Dec. 1998,

5 Publications

1. **“Circuit complexity in U(1) gauge theory,”**
A. Moghimnejad and S. Parvizi,
[arXiv:2108.08208 [hep-th]]
doi:10.1142/S0217732321502400
Mod. Phys. Lett. A **36**, no.34, 2150240 (2021).
2. **“On Maximum Complexity in Holography,”**
S. Parvizi and M. Shahbazi
[arXiv:2103.05367 [hep-th]].
3. **“Constraints on anisotropic RG flows from holographic entanglement entropy,”**
M. Ghasemi and S. Parvizi,
[arXiv:1907.01546 [hep-th]]
doi.org/10.1103/PhysRevD.104.086028
Phys. Rev. D **104**, 086028.
4. **“Curved Corner Contribution to the Entanglement Entropy in an Anisotropic Space-time,”**
M. Ghasemi and S. Parvizi
[arXiv:1905.01675 [hep-th]].
5. **“Relevant perturbation of entanglement entropy of singular surfaces,”**
M. Ghasemi and S. Parvizi
[arXiv:1902.05058 [hep-th]].
6. **“Effect of massive potentials and the Gauss–Bonnet gravity on the holographic thermalization,”**
A. Nemati and S. Parvizi,
[arXiv:1710.05712 [hep-th]]
doi:10.1142/S0217751X19501240
Int. J. Mod. Phys. A **34**, no.22, 1950124 (2019).
7. **“Holographic Aspects of a Higher Curvature Massive Gravity,”**
S. Parvizi and M. Sadeghi,
[arXiv:1704.00441 [hep-th]]
doi:10.1140/epjc/s10052-019-6631-9
Eur. Phys. J. C **79**, no.2, 113 (2019).
8. **“Entanglement entropy of singular surfaces under relevant deformations in holography,”**
M. Ghasemi and S. Parvizi,
arXiv:1709.08169 [hep-th]
doi:10.1007/JHEP02(2018)009
JHEP **1802**, 009 (2018).
9. **“The stability and gravitational Newtonian limit of a modified Randall-Sundrum model,”**
S. Parvizi and M. Shahbazi,
arXiv:1509.00365 [gr-qc]
doi:10.1140/epjc/s10052-015-3873-z
Eur. Phys. J. C **76**, no. 1, 21 (2016).
10. **“Hydrodynamics of a black brane in Gauss-Bonnet massive gravity,”**
M. Sadeghi and S. Parvizi,
arXiv:1507.07183 [hep-th]
doi:10.1088/0264-9381/33/3/035005
Class. Quant. Grav. **33**, no. 3, 035005 (2016).
11. **“Graviton Propagation in an Asymmetric Warped Background: Lorentz Violation and the Null Energy Condition”**
S. Parvizi and H. Rezaee.

- arXiv:1402.1838 [hep-th]
10.1007/JHEP08(2014)076
JHEP **1408**, 076 (2014)
12. **“Shear Viscosity to Entropy Density for a Black Brane in 5-dimensional Einstein-Yang-Mills Gravity”**
M. Sadeghi and S. Parvizi
arXiv:1411.2358 [hep-th].
 13. **“dS solutions with co-dimension 2 branes in six dimensions”**
H. R. Afshar, H. Firouzjahi and S. Parvizi.
arXiv:1301.3160 [hep-th]
10.1088/0264-9381/30/23/235030
Class. Quant. Grav. **30**, 235030 (2013)
 14. **“3-Form Flux Compactification of Salam-Sezgin Supergravity”**
H. R. Afshar and S. Parvizi.
arXiv:0906.0707 [hep-th]
10.1088/1126-6708/2009/10/086
JHEP **0910**, 086 (2009)
 15. **“Partition function of non-supersymmetric black holes in the supergravity limit”**
S. Parvizi and A. Tavanfar.
hep-th/0602292
10.1142/S0217732308026005
Mod. Phys. Lett. A **23**, 1869 (2008)
 16. **“Non-supersymmetric attractors in R^{*2} gravities”**
B. Chandrasekhar, S. Parvizi, A. Tavanfar and H. Yavartanoo.
hep-th/0602022
10.1088/1126-6708/2006/08/004
JHEP **0608**, 004 (2006)
 17. **“Minimal redefinition of the OSV ensemble”**
S. Parvizi and A. Tavanfar.
hep-th/0508231
10.1063/1.2393149
J. Math. Phys. **47**, 122304 (2006)
 18. **“AdS/CFT correspondence via R-current correlation functions revisited”**
S. Mamedov and S. Parvizi.
hep-th/0505162
10.1142/S0217751X08039943
Int. J. Mod. Phys. A **23**, 3721 (2008)
 19. **“ $N = 1/2$ superYang-Mills theory on euclidean $AdS(2) \times S^{*2}$ ”**
A. Imaanpur and S. Parvizi.
hep-th/0403174
10.1088/1126-6708/2004/07/010
JHEP **0407**, 010 (2004)
 20. **“ $N = 2$ $SO(N)$ SYM theory from matrix model”**
R. Abbaspur, A. Imaanpur and S. Parvizi.
hep-th/0302083
10.1088/1126-6708/2003/07/043
JHEP **0307**, 043 (2003)
 21. **“Branes in time dependent backgrounds and AdS / CFT correspondence”**
M. Alishahiha and S. Parvizi.
hep-th/0208187
10.1088/1126-6708/2002/10/047
JHEP **0210**, 047 (2002)

22. **“On type IIA string theory on the PP wave background”**
M. Alishahiha, M. A. Ganjali, A. Ghodsi and S. Parvizi.
hep-th/0207037
10.1016/S0550-3213(03)00298-0
Nucl. Phys. B **661**, 174 (2003)
23. **“Dp-branes in PP wave background”**
A. Dabholkar and S. Parvizi.
hep-th/0203231
10.1016/S0550-3213(02)00571-0
Nucl. Phys. B **641**, 223 (2002)
24. **“Noncommutative instantons and the information metric”**
S. Parvizi.
hep-th/0202025
10.1142/S0217732302006436
Mod. Phys. Lett. A **17**, 341 (2002)
25. **“Effective action for D-branes on SU(2) / U(1) gauged WZW model”**
S. Parvizi.
hep-th/0108095
10.1016/S0370-2693(01)01170-4
Phys. Lett. B **520**, 367 (2001)
26. **“Gauged noncommutative Wess-Zumino-Witten models”**
A. M. Ghezelbash and S. Parvizi.
hep-th/0008120
10.1016/S0550-3213(00)00600-3
Nucl. Phys. B **592**, 408 (2001)
27. **“Scalar electrodynamics in framework of Randall-Sundrum model”**
A. M. Ghezelbash, K. Kaviani, S. Parvizi and A. Shafiekhani.
hep-ph/0005166
10.1016/S0370-2693(01)00258-1
Phys. Lett. B **504**, 71 (2001)
28. **“(m,n) - strings in IIB matrix model”**
S. Parvizi and A. H. Fatollahi.
hep-th/9910062
10.1016/S0370-2693(99)01488-4
Phys. Lett. B **473**, 73 (2000)
29. **“D particle Feynman graphs and their amplitudes”**
S. Parvizi and A. H. Fatollahi
hep-th/9907146.
30. **“Interaction of branes at angles in M(atrix) model”**
K. Kaviani, S. Parvizi and A. H. Fatollahi.
hep-th/9808046
10.1016/S0370-2693(98)01034-X
Phys. Lett. B **439**, 271 (2000)
31. **“Interacting spinors - scalars and AdS / CFT correspondence”**
A. M. Ghezelbash, K. Kaviani, S. Parvizi and A. H. Fatollahi.
hep-th/9805162
10.1016/S0370-2693(98)00815-6
Phys. Lett. B **435**, 291 (1998)
32. **“M-branes and their interactions in static matrix model”**
A. H. Fatollahi, K. Kaviani and S. Parvizi.
hep-th/9711109

10.1016/S0550-3213(98)00353-8

Nucl. Phys. B **528**, 156 (1998)

33. **“Regularized supermembrane theory and static configurations of M theory”**

F. Ardalan, A. H. Fatollahi, K. Kaviani and S. Parvizi.

hep-th/9709037

10.1007/s100520050484

Eur. Phys. J. C **8**, 507 (1999)

34. **“WZNW models from nonstandard bilinear forms”**

H. Arfaei and S. Parvizi.

hep-th/9601068

10.1142/S0217732396001302

Mod. Phys. Lett. A **11**, 1289 (1996)