

Professional Data for THOMAS L. CURTRIGHT

Recent Research Papers (last five years)

- Grounded Hyperspheres as Squashed Wormholes” with H Alshal, arXiv:1806.03762 [physics.class-ph]
- “The Conducting Ring Viewed as a Wormhole” with H Alshal, P Baral, S Huang, J Liu, K Tamang, X Zhang, Y Zhang, arXiv:1805.11147 [physics.class-ph]
- “Sincopation” with C Bender, *in preparation*.
- “Spin generating functions and asymptotics” with S Subedi, *in preparation*.
- “Conducting Ellipsoids in Uniform Motion” with Z Cao, S Huang, J S Sarmiento, S Subedi, D A Tarrence, and T R Thapaliya, *in preparation*.
- “A Galileon Primer” with H. Alshal and D. B. Fairlie, *in revision*.
- “Introduction to BASIC 2017 and a Big Bang in a Little Room” with E. Guendelman, Bulg. J. Phys. 45 (2018) 81-84.
- “The BASICs of Branched Hamiltonians” Bulg. J. Phys. 45 (2018) 102-113
- “Extrinsic Curvature, Polyakov, Weyl, and Einstein” Bulg. J. Phys. 45 (2018) 173-179
- “Color Characters for White Hot String Bits” with S Raha and C B Thorn, Phys. Rev. D 96 (2017) 086021, arXiv:1708.03342 [hep-th]
- “Spin Multiplicities” with T. S. Van Kortryk, and C. K. Zachos, Phys. Lett. A381 (2017) 422-427, arXiv:1607.05849 [hep-th]
- “Charged line segments and ellipsoidal equipotentials” with N M Aden, X Chen, M J Haddad, S Karayev, D B Khadka, and J Li, Euro. J. Phys. 37 (2016) 035201, arXiv:1601.04047 [physics.class-ph]
- “Elementary results for the fundamental representation of SU(3)” with C. K. Zachos, Rep. Math. Phys. 76 (2015) 401-404, arXiv:1508.00868 [math.RT]
- “More on Rotations as Spin Matrix Polynomials” J. Math. Phys. 56 (2015) 091703, arXiv:1506.04648 [math-ph]
- “On Rotations as Spin Matrix Polynomials” with T.S. Van Kortryk, J. Phys. A: Math. Theor. 48 (2015) 025202, arXiv:1408.0767 [math-ph]
- “A compact formula for rotations as spin matrix polynomials ” with D. B. Fairlie and C. K. Zachos, SIGMA 10 (2014) 084, arXiv:1402.3541 [math-ph]
- *A Concise Treatise on Quantum Mechanics in Phase Space*, with D. B. Fairlie and C. K. Zachos, World Scientific and Imperial College Press, ISBN: 978-981-4520-43-0.
- “Branched Hamiltonians and Supersymmetry” with C. K. Zachos, J. Phys. A: Math. Theor. 47 (2014) 145201, arXiv:1311.6147 [math-ph]
- “Umbral Vade Mecum” with C. K. Zachos, Front. Physics 1 (2013) 15, arXiv:1304.0429 [math-ph]
- “Associativity, Jacobi, Bremner, and All That”, J. Phys.: Conf. Ser. 462 (2013) 012007.

Books

- 1) *A Concise Treatise on Quantum Mechanics in Phase Space*, T. Curtright, D. Fairlie, and C. Zachos, Imperial College Press and World Scientific, 2014.
- 2) *Quantum Mechanics in Phase Space*, T. Curtright, D. Fairlie, and C. Zachos (editors), World Scientific, 2005.
- 3) *The Launching of La Belle Epoque of High Energy Physics and Cosmology*, T. Curtright, A. Perlmutter, and S. Mintz (editors), World Scientific, 2004.
- 4) *Quantum field theory, statistical mechanics, quantum groups and topology*, T. Curtright, L. Mezincescu and R. Nepomechie (editors), World Scientific, 1992.
- 5) *Quantum groups*, T. L. Curtright, D. B. Fairlie, and C. K. Zachos (editors), World Scientific, 1991.

Additional Information Online

Homepage (<http://www.physics.miami.edu/~curtright/home.html>) Google Scholar (<http://scholar.google.com/citations?user=aLCe79oAAAAJ&hl>) ResearchGate (https://www.researchgate.net/profile/Thomas_Curtright) Wikipedia (http://en.wikipedia.org/wiki/Thomas_Curtright)



Complete List of Publications

(available online at <http://inspirehep.net>)

1. “Grounded Hyperspheres as Squashed Wormholes”
H Alshal and T Curtright
arXiv:1806.03762 [physics.class-ph]
2. “The Conducting Ring Viewed as a Wormhole”
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6. “Color Characters for White Hot String Bits”
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9. “Elementary results for the fundamental representation of $SU(3)$ ”
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arXiv:1508.00868 [math.RT]
10. “More on Rotations as Spin Matrix Polynomials”
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11. “On Rotations as Spin Matrix Polynomials”
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