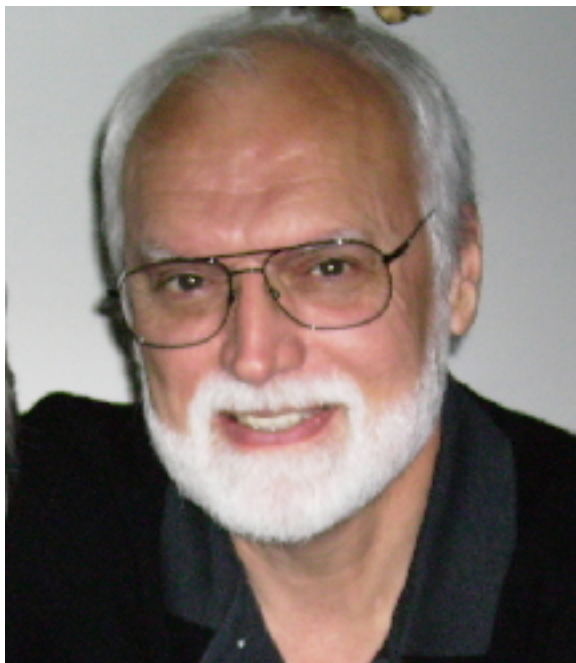


Professional Data for THOMAS L. CURTRIGHT



A. Curriculum Vitae

- ADDRESS: Department of Physics, University of Miami, P. O. Box 248046, Coral Gables, FL 33124-8046; Phone 305-284-2324 ext 4; URL: <http://curtright.com>; Email: curtright@physics.miami.edu

- PERSONAL DATA: Born in 1948, near Paris, Missouri. Married, with three daughters.

- ACADEMIC POSITIONS:

- [1] Professor of Physics, University of Miami, Coral Gables, FL 33124, September 1988 — present.

- [2] Alan Richards Fellow in Mathematics, University of Durham, UK, 31 May – 9 July 2007.

- [3] Member, Institute for Advanced Study, Princeton, NJ 08540, January — July 2006; January — May 1990.

- [4] Visiting Scientist, Center for Theoretical Physics, MIT, Cambridge, MA 02139, April — May 1996.

- [5] Scientific Associate, CERN, Geneva, Switzerland, June 1987 — December 1987.

- [6] Visiting Associate Professor of Physics, Yale University, New Haven, CT 06511, January — June 1987.

- [7] Visiting Associate Professor of Physics, Institute for Theoretical Physics, State University of New York, Stony Brook, NY 11794, September 1986 — January 1987.

- [8] Associate Professor of Physics (with tenure), University of Florida, Gainesville, September 1985 — August 1988.

- [9] DOE Outstanding Junior Investigator and Assistant Professor of Physics, University of Florida, Gainesville, FL 32611, September 1980 — August 1985.

- [10] Robert R. McCormick Fellow, The Enrico Fermi Institute, University of Chicago, Chicago, IL 60637, July 1978 — August 1980.

- [11] Research Fellow, University of California, Irvine, CA 92717, September 1976 — June 1978.

- EDUCATION: Ph.D. in Theoretical Physics, California Institute of Technology (Thesis supervised by R. P. Feynman), 1977; B.S. and M.S. in Physics, University of Missouri — Columbia, 1970.

- AWARDS AND HONORS: American Physical Society Fellow, APS Jesse Beams Award, ARCS Foundation Fellow, McCormick Research Fellow, NSF Graduate Fellow, O. M. Stewart Scholar, ΦBK , ΠME , $\Sigma \Xi$, U of Miami Cooper Fellow, U of Miami Provost's Scholarship Award, U of Miami Senate Distinguished Faculty Scholar Award.

- RESEARCH SUMMARY:

- 2007-2009 Quasi-hermitian Hamiltonians; n-Lie algebras; super-Landau models.

- 2004-2006 Nonrelativistic branes and biorthogonal quantum systems.

- 2002-2003 Superintegrability, Nambu mechanics, and fluid dynamics.

- 2001-2002 Areal theory and superintegrability.

- 1999-2000 Deformation quantization; duality and time.

- 1997-99 Phase-space deformations and duality.

- 1997 Membranes and integrability.

- 1995-96 Supersymmetry and duality.

- 1993-94 Chiral models and duality.

- 1992 Super-Yangians.

- 1991 Functional analysis of Liouville field theory.

- 1989-90 Quantum Lie algebras.

- 1987-89 Supermembranes and other superimmersions.

- 1986-87 Extrinsic curvature effects in strings and superstrings.

- 1986 String model partition functions; Torsion, strings, and nonlinear supersymmetry.

- 1984-85 Torsion, supersymmetry, and renormalization of σ -models.

- 1982-84 Conformal invariance, Liouville field theory, and strings.

- 1981-82 Higher dimensional theories and radiative corrections.

- 1981 Nonlocal algebras and Ward identities; charge renormalization due to any spin.

- 1979-80 Integrability of σ -models; σ -models with N=2 and N=4 supersymmetry; generalized gauge fields.

- 1979 Anomaly-free SU(8) grand unified models.

- 1978-79 Gauge fields with supersymmetry and any spin.

- 1977-78 N=4 supercurrent multiplet; dimensionally regularized hyperspherical expansions and dispersion relations.

- 1976-77 Supercurrent anomalies.

- 1974-76 Radiatively induced supersymmetry breaking; dimensional regularization of supersymmetric theories; renormalization schemes with exact one-loop β functions.

- 1972-74 Field operator parton model; factorization of single hadron distributions.

B. Recent Publications (last five years; complete list is below, or at <http://www.slac.stanford.edu/spires/hep/>)

- “Classical and Quantal Ternary Algebras”, with D. Fairlie, X. Jin, L. Mezincescu, and C. Zachos, Phys. Lett. **B**, in press, arXiv:0903.4889 [hep-th]

- “Unitary Spherical Super-Landau Models”, with A. Beylin, E. Ivanov, L. Mezincescu, and P. Townsend, JHEP 0810:069, 2008, arXiv:0806.4716 [hep-th]

- “Ternary Virasoro-Witt Algebra”, with D. Fairlie and C. Zachos, Phys. Lett. **B666** (2008) 386-390, arXiv:0806.3515 [hep-th]

- “Euler Incognito”, with D. Fairlie, *J. Phys.* **A41** (2008) 244009, arXiv:0710.1914v1 [hep-th]
 - “Quasi-Hermitian Quantum Mechanics in Phase Space”, with A. Veitia, *J. Math. Phys.* **48** (2007) 102112 [quant-ph/0701006]
 - “Planar Super-Landau Models Revisited”, with E. Ivanov, L. Mezincescu, and P. K. Townsend, *JHEP* 0704:020, 2007 [hep-th/0612300]
 - “Supersymmetric Biorthogonal Quantum Systems”, with L. Mezincescu and D. Schuster, *J. Math. Phys.* **48** (2007) 092108 [quant-ph/0603170]
 - “Biorthogonal Quantum Systems”, with L. Mezincescu, *J. Math. Phys.* **48** (2007) 092106 [quant-ph/0507015]
 - *Quantum Mechanics in Phase Space*, with D. Fairlie and C. Zachos, World Scientific, 2005.
 - *The Launching of La Belle Epoque of High Energy Physics and Cosmology*, Proceedings of the 32nd Coral Gables Conference, Fort Lauderdale, FL, USA, December 17-21, 2003. T. Curtright, A. Perlmutter, and S. Mintz (editors), World Scientific 2004. Abridged version published in *Int. J. Mod. Phys.* **A20** (2005) 1095-1352
 - “Branes, quantum Nambu brackets, and the hydrogen atom”, with C. K. Zachos. Invited talk at 13th International Colloquium on Integrable Systems and Quantum Groups (SQS 13), Prague, Czech Republic, 17-19 Jun 2004. Published in *Czech. J. Phys.* **54** (2004) 1393-1398 [math-ph/0408012]
 - “Non-relativistic strings and branes as non-linear realizations of Galilei groups”, with J. Brugues, J. Gomis, and L. Mezincescu, *Phys. Lett.* **B594** (2004) 227-233 [hep-th/0404175]
 - “Branes, strings, and odd quantum Nambu brackets”, with C. K. Zachos. Contributed to 3rd International Symposium on Quantum Theory and Symmetries (QTS3), Cincinnati, Ohio, 10-14 Sep 2003. [hep-th/0312048]
 - “D-branes in the stream”, talk given at International Conference on Nonlinear Evolution Equations and Applications, Evanston, Illinois, 12-15 Jun 2003 [hep-th/0307121]
- C. Seminars, Conferences, and Visits** (last ten years)
- Co-organizer and seminar, “Ternary Lie Algebras in Physics”, *Miami 2008*, 16-21 Dec 2008.
 - Co-organizer, *Miami 2007*, 13-18 Dec 2007.
 - Plenary talk, “Quasi-hermitian Liouville Theory”, City Univ. London, UK, 16 July 2007.
 - Participant, 6th International Conf. on Quasi-hermitian Models, London, 16-18 July 2007.
 - Seminar, “Quasi-hermitian Liouville Theory”, Univ. Liverpool, UK, 13 July 2007.
 - Visiting Scientist, DAMTP, Univ. Cambridge, UK, 9-12 July 2007.
 - Seminar, “Quasi-hermitian Liouville Theory”, Dublin Inst. Adv. Studies, Ireland, 27 June 2007.
 - Seminar, “Quasi-hermitian Liouville Theory”, Univ. of York, UK, 11 June 2007.
 - Grey College Fellow, Univ. Durham, UK, 31 May - 9 July 2007.
 - Seminar, “Quasi-hermitian Quantum Mechanics”, Univ. Missouri, Columbia, 20 March 2007.
 - Colloquium, “Quasi-hermitian Quantum Mechanics”, Univ. Missouri, St Louis, 16 March 2007.
 - Co-organizer and seminar, “Quasi-hermitian QM in Phase Space”, *Miami 2006*, 13-17 Dec 2006.
 - Seminar, “Biorthogonal Quantum Systems”, Univ. Minnesota, Minneapolis, 26 Nov 2006.
 - Seminar, “Biorthogonal Quantum Systems”, Univ. Illinois, Chicago, 19 Oct 2006.
 - Seminar, “Biorthogonal Quantum Systems on Supermanifolds”, ICGTMP26, CUNY, 26 June 2006.
 - Seminar, “Quasi-hermitian solvable models”, E Schrödinger Institute, Vienna, 19 June 2006.
 - Seminar, “Quasi-hermitian solvable models”, ISQS-15, Prague, 15 June 2006
 - Seminar, “Imaginary Liouville Theory”, IAS, Princeton, 24 Feb 2006
 - Co-organizer, *Miami 2005*, 14-18 Dec 2005.
 - Participant, Aspen Center for Physics, June-July 2005.
 - Feynman letters panel discussion, Chicago Public Library, 12 May 2005.
 - Co-organizer, *Miami 2004*, 15-19 Dec 2004.
 - Seminar, “Evolving branes with generalized dynamics”, Global Foundation Conf, 17-21 Dec 2003.
 - Seminar, “Some ‘Recent’ Developments in Time Evolution”, University of Virginia, 26 Mar 2003.
 - Participant, “Pierre Fest”, University of Florida, Gainesville, 1-2 Feb 2003.
 - Seminar, “Quantizing Dirac and Nambu brackets”, Global Foundation Conf, 11-14 Dec 2002.
 - Seminar, “Superintegrability, Deformation Quantization, and Nambu Dynamics”, LPTHE, U. Paris, 3 Oct 2002.
 - Participant, “Fête Cremmer-Gervais”, Lab de Physique Théorique de l’Ecole Normale Supérieure, Paris, France, 30 Sept - 1 Oct 2002.
 - Visiting Scientist, Department of Mathematical Sciences, Durham University, UK, 25-28 Sept 2002.
 - Seminar, “Nambu dynamics, deformation quantization, and superintegrability”, Workshop on Superintegrability in Classical and Quantum Systems, Centre de recherches mathématiques, Université de Montréal, 16-21 Sept 2002.
 - Seminar, “Quantization of Superintegrable Systems”, Feynman Festival, U of Maryland, 23-28 Aug 2002.
 - Visiting Scientist, The Enrico Fermi Institute, University of Chicago, Aug 2002.
 - Visiting Scientist, Argonne Nat’l Lab., Aug 2002.
 - Colloquium, “Phase-space, E-time, and Superintegrability”, Florida Atlantic University, 18 Jan 2002.
 - Seminar, “Areal Theory”, Global Foundation Conf, 12-16 Dec 2001.
 - Colloquium, “Phase-space, E-time, and Superintegrability”, University of Florida, 29 Nov 2001.
 - Participant, “JHS/60” Conference, California Institute of Technology, Pasadena, CA, 3-4 Nov 2001.
 - Plenary talk, “An Eclectic Survey of Wigner Functions and Deformation Quantization”, 24 August 2001.
 - Participant, “7th International Wigner Symposium”, August 24-29, 2001.
 - Participant, “ANL Theory Institute 2001: From Supersymmetry To Extra Dimensions”, June 17-29, 2001.
 - Visiting Scientist, Argonne National Laboratory, June-July 2001.
 - Seminar, “Duality and Time”, Orbis Scientiae, 15 December 2000.
 - Participant, Global Foundation “Orbis Scientiae” Conference, Ft Lauderdale, FL, December 2000.
 - Seminar, “Duality and Time”, ANL, 26 June 2000.

- Visiting Scientist, Argonne National Laboratory, June 2000.
- Participant, Aspen Center for Physics, June 2000.
- Participant, “String Theory at the Millenium”, Caltech, January 2000.
- Seminar, “Schrödinger’s Cataplex”, Orbis Scientiae, 17 December 1999.
- Participant, Global Foundation “Orbis Scientiae” Conference, Ft Lauderdale, FL, December 1999.
- Visiting Scientist, Argonne National Laboratory, May and October 1999.
- Participant, Global Foundation “Orbis Scientiae” Conference, Ft Lauderdale, FL, December 1998.
- Visiting Scientist, Argonne National Laboratory, August 1998.
- Seminar, “Features of Time Dependent Wigner Functions”, ANL, 25 August 1998.
- Visiting Scientist, Fermilab, June-July 1998.
- Participant, Global Foundation “Orbis Scientiae” Conference, Miami Beach, FL, December 1997.
- Participant, Leaders Conference, University of Missouri, October 1997.
- Visiting Scientist, Argonne National Laboratory, June 1997.
- Participant, Supersymmetry and Integrable Models Workshop, University of Illinois at Chicago, June 1997.
- Seminar, “Extrinsic Geometry, Quantum Effects, and Renormalization of the Dual Sphere”, UIC, 16 June 1997.

D. Recent Collaborators

A. Beylin, U. Miami; J. Bruges, Barcelona U., Spain; D. Fairlie, Durham U., UK; J. Gomis, Barcelona U., Spain; E. Ivanov, JINR, Moscow; L. Mezincescu, U. Miami; A. Polychronakos, CUNY; D. Schuster, U. Colorado; P. K. Townsend, DAMTP, Cambridge U., UK; T. Uematsu, Kyoto U., Japan; A. Veitia, U. Miami; C. Zachos, Argonne National Laboratory

E. Postdocs Supervised

E. Melzer 1990-92; L. Rozansky 1993-95; None in recent years.

F. Grant Support

- 2009-1988 NSF Awards 0802988, 0555603, 0303550, 0073390, 9870101, 9507829, 9209978, 9007517, 8703390
- 1988-1981 DOE support at the University of Florida (including Outstanding Junior Investigator Award)

G. Courses Taught (last 5 years)

PHY612, Special Topics in Quantum Physics, Spring 2009.
 PHY650, Electromagnetic Theory I, Spring 2008 & 2005.
 PHY540, Classical Mechanics, Fall 2007 & 2006.
 PHY616, Methods of Math Physics II, Spring 2007.
 PHY651, Electromagnetic Theory II, Fall 2005.
 PHY615, Methods of Math Physics I, Fall 2004.
 PHY651, Electromagnetic Theory II, Spring 2004.
 PHY650, Electromagnetic Theory I, Fall 2003.
 PHY102, College Physics II, Spring 2003.

H. Books

Quantum Mechanics in Phase Space, T. Curtright, D. Fairlie, and C. Zachos (editors), World Scientific, 2005.
The Launching of La Belle Epoque of High Energy Physics and Cosmology, T. Curtright, A. Perlmutter, and S. Mintz (editors), World Scientific, 2004.

Quantum field theory, statistical mechanics, quantum groups and topology, T. Curtright, L. Mezincescu and R. Nepomechie (editors), World Scientific, 1992.

Quantum groups, T. L. Curtright, D. B. Fairlie, and C. K. Zachos (editors), World Scientific, 1991.

I. Complete List of Publications

1. “Classical and Quantal Ternary Algebras”
T. Curtright, D. Fairlie, X. Jin, L. Mezincescu, and C. Zachos, Phys. Lett. **B**, in press
arXiv:0903.4889 [hep-th]
2. “Unitary Spherical Super-Landau Models”
A. Beylin, T. Curtright, E. Ivanov, L. Mezincescu, and P. Townsend, JHEP 0810:069, 2008
arXiv:0806.4716 [hep-th]
3. “Ternary Virasoro-Witt Algebra”
T. L. Curtright, D. B. Fairlie, and C. K. Zachos, Phys. Lett. **B666** (2008) 386-390
arXiv:0806.3515 [hep-th]
4. “Euler Incognito”
T. L. Curtright and D. B. Fairlie, J. Phys. **A41** (2008) 244009
arXiv:0710.1914 [hep-th]
5. “Quasi-hermitian Quantum Mechanics in Phase Space”
T. Curtright and A. Veitia, J. Math. Phys. **48** (2007) 102112
arXiv:quant-ph/0701006
6. “Planar super-Landau models revisited”
T. Curtright, E. Ivanov, L. Mezincescu and P. K. Townsend
JHEP 0704:020, 2007
arXiv:hep-th/0612300
7. “Supersymmetric Biorthogonal Quantum Systems”
T. Curtright, L. Mezincescu and D. Schuster
J. Math. Phys. **48** (2007) 092108
arXiv:quant-ph/0603170
8. “Biorthogonal Quantum Systems”
T. Curtright and L. Mezincescu
J. Math. Phys. **48** (2007) 092106
arXiv:quant-ph/0507015
9. “The Launching of La Belle Epoque of High Energy Physics and Cosmology.” Proceedings, 32nd Conference, Fort Lauderdale, USA, December 17-21, 2003. A Frampton Festschrift.
T. Curtright, A. Perlmutter and S. Mintz
Int. J. Mod. Phys. A20 (2005) 1095-1352
10. “Branes, quantum Nambu brackets, and the hydrogen atom”
C. K. Zachos and T. Curtright
Czech. J. Phys. 54, 1393 (2004) [arXiv:math-ph/0408012]
11. “Non-relativistic strings and branes as non-linear realizations of Galilei groups”
J. Bruges, T. Curtright, J. Gomis and L. Mezincescu
Phys. Lett. B 594, 227 (2004) [arXiv:hep-th/0404175]

12. “Branes, strings, and odd quantum Nambu brackets”
T. L. Curtright and C. K. Zachos
arXiv:hep-th/0312048
Contributed to 3rd International Symposium on Quantum Theory and Symmetries (QTS3), Cininnati, Ohio, 10-14 Sep 2003
13. “d-branes in the stream”
T. Curtright
arXiv:hep-th/0307121
Talk given at International Conference on Nonlinear Evolution Equations and Applications, Evanston, Illinois, 12-15 Jun 2003
14. “Morphing quantum mechanics and fluid dynamics”
T. Curtright and D. Fairlie
J. Phys. A 36, 8885 (2003) [arXiv:math-ph/0303003]
15. “Quantizing Dirac and Nambu brackets”
T. Curtright and C. K. Zachos
AIP Conf. Proc. 672, 165 (2003) [arXiv:hep-th/0303088]
16. “Deformation quantization of Nambu mechanics”
C. K. Zachos and T. L. Curtright
AIP Conf. Proc. 672, 183 (2003) [arXiv:quant-ph/0302106]
17. “Classical and quantum Nambu mechanics”
T. Curtright and C. K. Zachos
Phys. Rev. D 68, 085001 (2003) [arXiv:hep-th/0212267]
18. “Nambu dynamics, deformation quantization, and superintegrability”
T. L. Curtright and C. K. Zachos
arXiv:math-ph/0211021
Presented at Workshop on Superintegrability in Classical and Quantum Systems, Montreal, Quebec, Canada, 16-22 Sep 2002
19. “Deformation quantization, superintegrability, and Nambu mechanics”
C. K. Zachos and T. L. Curtright
Acta Phys. Hung. 19, 199 (2004) [arXiv:hep-th/0210170]
20. “Schroedinger’s cataplex”
T. Curtright
arXiv:quant-ph/0011101
Talk given at International Conference on Orbis Scientiae 1999: Quantum Gravity, Generalized Theory of Gravitation and Superstring Theory Based Unification (28th Conference on High-Energy Physics and Cosmology Since 1964), Coral Gables, Florida, 16-19 Dec 1999
21. “Areal theory”
T. Curtright
arXiv:hep-th/0207058
Contributed to Coral Gables Conference 2001: 30th Conference on High-Energy Physics and Cosmology, Coral Gables, Fort Lauderdale, Florida, 12-16 Dec 2001
22. “Extra dimensions and nonlinear equations”
T. Curtright and D. Fairlie
J. Math. Phys. 44, 2692 (2003) [arXiv:math-ph/0207008]
23. “Deformation quantization of superintegrable systems and Nambu mechanics”
T. L. Curtright and C. K. Zachos
New J. Phys. 4, 83 (2002) [arXiv:hep-th/0205063]
24. “Area Potentials and Deformation Quantization”
T. L. Curtright, A. P. Polychronakos and C. K. Zachos
Phys. Lett. A 295, 241 (2002) [arXiv:hep-th/0111173]
25. “Negative probability and uncertainty relations”
T. Curtright and C. K. Zachos
Mod. Phys. Lett. A 16, 2381 (2001) [arXiv:hep-th/0105226]
26. “Generating All Wigner Functions”
T. Curtright, T. Uematsu and C. K. Zachos
J. Math. Phys. 42, 2396 (2001) [arXiv:hep-th/0011137]
27. “Phase-space quantization of field theory”
C. K. Zachos and T. Curtright
Prog. Theor. Phys. Suppl. 135, 244 (1999) [arXiv:hep-th/9903254]
28. “Wigner trajectory characteristics in phase space and field theory”
T. Curtright and C. K. Zachos
J. Phys. A 32, 771 (1999) [arXiv:hep-th/9810164]
29. “Features of time-independent Wigner functions”
T. Curtright, D. Fairlie and C. K. Zachos
Phys. Rev. D 58, 025002 (1998) [arXiv:hep-th/9711183]
30. “Matrix membranes and integrability”
C. K. Zachos, D. Fairlie and T. Curtright
arXiv:hep-th/9709042 (Submitted to Proceedings to be publ. in ‘Springer Lecture Notes in Physics’, H. Aratyn, et al. eds.)
Talk given at Supersymmetry and Integrable Models Workshop (2nd Annual UICHEP Summer Workshop Series), Chicago, IL, 12-14 Jun 1997
31. “Integrable symplectic trilinear interaction terms for matrix membranes”
T. Curtright, D. Fairlie and C. K. Zachos
Phys. Lett. B 405, 37 (1997) [arXiv:hep-th/9704037]
32. “Geometry and Duality in Supersymmetric sigma-Models”
T. Curtright, T. Uematsu and C. K. Zachos
Nucl. Phys. B 469, 488 (1996) [arXiv:hep-th/9601096]
33. “Canonical nonAbelian dual transformations in supersymmetric field theories”
T. Curtright and C. K. Zachos
Phys. Rev. D 52, 573 (1995) [arXiv:hep-th/9502126]
34. “The Paradigm Of Pseudodual Chiral Models”
C. K. Zachos and T. L. Curtright
arXiv:hep-th/9407044
Talk given at Particles, Strings, and Cosmology (PAS-COS 1994), Syracuse, NY, 19-24 May 1994

35. "Currents, charges, and canonical structure of pseudo-dual chiral models"
T. Curtright and C. K. Zachos
Phys. Rev. D 49, 5408 (1994) [arXiv:hep-th/9401006]
36. "Quantum field theory, statistical mechanics, quantum groups and topology." Proceedings, NATO Advanced Research Workshop, Miami, USA, January 7-12, 1991"
T. Curtright, L. Mezincescu and R. Nepomechie
Singapore, Singapore: World Scientific (1992) 347 p
37. "Supersymmetry and the nonlocal Yangian deformation symmetry"
T. Curtright and C. K. Zachos
Nucl. Phys. B 402, 604 (1993) [arXiv:hep-th/9210060]
38. "Using functional methods to compute quantum effects in the Liouville model"
T. L. Curtright and G. I. Ghandour
arXiv:hep-th/9503080
Based on talks given at NATO Advanced Workshop: Quantum Field Theory..., Coral Gables, FL, Jan 7-12, 1991
39. "Quantum groups." Proceedings, Workshop, Argonne, USA, April 16-May 11, 1990
T. L. Curtright, D. B. Fairlie and C. K. Zachos
Singapore, Singapore: World Scientific (1991) 335 p
40. "Deformations, coproducts, and U"
T. L. Curtright
MIAMI-TH-3-90
41. "Cartesian Que Algebras"
T. Curtright
MIAMI-TH/2/90
42. "Quantum Algebra Deforming Maps, Clebsch-Gordan Coefficients, CoProducts, U and R Matrices"
T. L. Curtright, G. I. Ghandour and C. K. Zachos
J. Math. Phys. 32, 676 (1991)
43. "Deforming Maps For Quantum Algebras"
T. L. Curtright and C. K. Zachos
Phys. Lett. B 243, 237 (1990)
44. "Quantum Backlund Transformations And Conformal Algebras"
T. Curtright
MIAMI-TH/1/89
Based on an invited talk given at 18th Int. Conf. on Differential Geometric Methods in Theoretical Physics: Physics and Geometry, Tahoe City, CA, Jul 2-8, 1989
45. "Extrinsic geometry of superimmersions"
T. L. Curtright
Print-87-1086 (CERN)
Based on an invited talk given at the Perspectives in String Theory, Copenhagen, Denmark, Oct 12-16, 1987
46. "Supersprings"
T. Curtright and P. van Nieuwenhuizen
Nucl. Phys. B 294, 125 (1987)
47. "Are there any superstrings in eleven dimensions?"
T. Curtright
Phys. Rev. Lett. 60, 393 (1988) [Erratum-ibid. 60, 1990 (1988)]
48. "Counting symmetry patterns in the spectra of strings"
T. Curtright
ITP-SB-86-74
Based on invited talk given at Infinite Dimensional Lie Algebras and their Applications, Montreal, Canada, May 12-16, 1986, and at Informal Summer Inst. on Superstrings, Argonne, IL, Jun 2-20, 1986, and at Paris-Meudon Colloquium, Meudon, France, Sep 1986
49. "Spin content of string models"
T. L. Curtright, G. I. Ghandour and C. B. Thorn
Phys. Lett. B 182, 45 (1986)
50. "Classical dynamics of strings with rigidity"
T. Curtright, G. Ghandour and C. K. Zachos
Phys. Rev. D 34, 3811 (1986)
51. "Trajectories of strings with rigidity"
T. L. Curtright, G. I. Ghandour, C. B. Thorn and C. K. Zachos
Phys. Rev. Lett. 57, 799 (1986)
52. "Spin content of the bosonic string"
T. L. Curtright, C. B. Thorn and J. Goldstone
Phys. Lett. B 175, 47 (1986)
53. "Symmetry Patterns In The Mass Spectra Of Dual String Models"
T. L. Curtright and C. B. Thorn
Nucl. Phys. B 274, 520 (1986)
54. "Torsion On The World Sheet"
T. Curtright
UFTP-85-15
Seminar given at Lewes Workshop on Superstrings, Lewes, DE, Jun 22 - Jul 6, 1985
55. "Torsion, Supersymmetry And The Heterotic String"
T. Curtright
UFTP-85-16
Invited talk given at 14th int. Colloq. on Group Theoretical Methods in Physics, Seoul, Korea, Aug 26-30, 1985
56. "Geometrostasis And Torsion In Covariant Superstrings"
T. L. Curtright, L. Mezincescu and C. K. Zachos
Phys. Lett. B 161, 79 (1985)
57. "Torsion And Geometrostasis In Nonlinear Sigma Models"
E. Braaten, T. L. Curtright and C. K. Zachos
Nucl. Phys. B 260, 630 (1985)
58. "Geometry, Topology And Supersymmetry In Nonlinear Models"
T. L. Curtright and C. K. Zachos
Phys. Rev. Lett. 53, 1799 (1984)

59. "Weak Coupling Analysis Of The Supersymmetric Liouville Theory"
T. Curtright and G. Ghandour
Phys. Lett. B 136, 50 (1984)
60. "Nonperturbative Weak Coupling Analysis Of The Quantum Liouville Field Theory"
E. Braaten, T. Curtright, G. Ghandour and C. B. Thorn
Annals Phys. 153, 147 (1984)
61. "Nonperturbative Weak Coupling Analysis Of The Liouville Quantum Field Theory"
E. Braaten, T. Curtright, G. Ghandour and C. B. Thorn
Phys. Rev. Lett. 51, 19 (1983)
62. "A Class Of Conformally Invariant Quantum Field Theories"
E. Braaten, T. Curtright, G. Ghandour and C. B. Thorn
Phys. Lett. B 125, 301 (1983)
63. "The Effective Potential In Quantum Mechanics"
T. L. Curtright and C. B. Thorn
J. Math. Phys. 25, 541 (1984)
64. "An Exact Operator Solution Of The Quantum Liouville Field Theory"
E. Braaten, T. Curtright and C. B. Thorn
Annals Phys. 147, 365 (1983)
65. "Fundamental Supermultiplet In Twelve-Dimensions"
T. Curtright, UFTP-82-22
66. "Quantum Backlund Transformation For The Liouville Theory"
E. Braaten, T. Curtright and C. B. Thorn
Phys. Lett. B 118, 115 (1982)
67. "Conformally Invariant Quantization Of The Liouville Theory"
T. L. Curtright and C. B. Thorn
Phys. Rev. Lett. 48, 1309 (1982) [Erratum-ibid. 48, 1768 (1982)]
68. "Indices, Triality, And Ultraviolet Divergences For Supersymmetric Theories"
T. L. Curtright
Phys. Rev. Lett. 48, 1704 (1982)
69. "Nonlocal Conservation Laws For Supersymmetric Models. (Talk)"
T. L. Curtright and C. K. Zachos
In *Stony Brook 1979, Proceedings, Supergravity*, 269-286
70. "Nonlocal Symmetry Ward Identities"
T. L. Curtright and C. K. Zachos
Phys. Rev. D 24, 2661 (1981)
71. "Charge Renormalization And High Spin Fields"
T. L. Curtright
Phys. Lett. B 102, 17 (1981)
72. "High Spin Fields"
T. L. Curtright, UFTP/80/16
- Invited talk given at 20th Int. Conf. on High Energy Physics, Madison, Wis., Jul 17-23, 1980
73. "Generalized Gauge Fields"
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