Петр Петрович Кулиш

(24.02.1944 -2016)

Петр Петрович Кулиш - доктор физ.-мат. наук, профессор, главный научный сотрудник, заведующий лабораторией математических проблем физики, Санкт-Петербургского отделения Математического института им. Стеклова.

Список основных публикаций:

1. **DAMASKINSKY, EV; KULISH, PP; SOKOLOV, MA.**
   ON CALCULATION OF GENERATING FUNCTIONS OF CHEBYSHEV POLYNOMIALS IN SEVERAL VARIABLES
   JOURNAL OF MATHEMATICAL PHYSICS 56(6), - (2015)
2. **AVAN, J; KULISH, PP; ROLLET, G.**
   REFLECTION MATRICES FROM HADAMARD-TYPE TEMPERLEY- LIEB R-MATRICES
   THEORETICAL AND MATHEMATICAL PHYSICS 179(1), 387-394 (2014)
3. **AVAN, J; FONSECA, T; FRAPPAT, L; KULISH, PP; RAGOUCY, E; ROLLET, G.**
   TEMPERLEY-LIEB R-MATRICES FROM GENERALIZED HADAMARD MATRICES
   THEORETICAL AND MATHEMATICAL PHYSICS 178(2), 223-238 (2014)
4. **AREF'EVA, IY; BUCHSTABER, VM; VELIKHOV, EP; ZHIZHCHENKO, AB; ZAKHAROV, VE; IBRAGIMOV, IA; KISLYAKOV, SV; KOZLOV, VV; KULISH, PP; LIPATOV, LN; MASLOV, VP; MATVEEV, VA; NOVIKOV, SP; OSIPOV, YS; POLYAKOV, AM; RUBAKOV, VA; SEMENOV-TIAN-SHANSKY, MA; SIMONOV, YA; SINAI, YG; SLAVNOV, AA; SOKOLOV, IA; TAKHTAJAN, LA; FORTOV, VE; SHATASHVILI, SL.**
   LUDVIG DMITRIEVICH FADDEEV (ON HIS 80TH BIRTHDAY)
   RUSSIAN MATHEMATICAL SURVEYS 69(6), 1133-1142 (2014)
5. **KULISH, P; STOLIN, A; JOHANNESSON, LH.**
   DEFORMED RICHARDSON-GAUDIN MODEL
   3QUANTUM: ALGEBRA GEOMETRY INFORMATION (QQQ CONFERENCE 2012) 532, - (2014)
6. **KULISH, P. P.; BAI, C.; GAZEAU, J.-P.; GE, M.-L..**
   INTEGRABLE SPIN CHAINS AND REPRESENTATION THEORY
   SYMMETRIES AND GROUPS IN CONTEMPORARY PHYSICS 11, 487 (2013)
7. **KULISH, P; STOLIN, A; JOHANESSON, H.**
   QUANTUM DEFORMED RICHARDSON-GAUDIN MODEL

PIERS 2013 STOCKHOLM: PROGRESS IN ELECTROMAGNETICS RESEARCH SYMPOSIUM , 789-793 (2013)

8. **KULISH, PP; LYAKHOVSKY, VD; POSTNOVA, OV.**
MULTIPLICITY FUNCTION FOR TENSOR POWERS OF MODULES OF THE A(N) ALGEBRA
THEORETICAL AND MATHEMATICAL PHYSICS 171(2), 666-674 (2012)

9. **KULISH, PP; LYAKHOVSKY, VD; POSTNOVA, OV.**
TENSOR POWERS FOR NON-SIMPLY LACED LIE ALGEBRAS B-2-CASE
ALGEBRA, GEOMETRY, AND MATHEMATICAL PHYSICS 2010 346, - (2012)

10. **KULISH, PP; LYAKHOVSKY, VD; POSTNOVA, OV.**
MULTIPLICITY FUNCTIONS FOR TENSOR POWERS. A(N)-CASE
7TH INTERNATIONAL CONFERENCE ON QUANTUM THEORY AND SYMMETRIES (QTS7) 343, - (2012)

11. **KULISH, PP; LYAKHOVSKY, VD; POSTNOVA, OV.**
TENSOR POWER DECOMPOSITION. B-N CASE
7TH INTERNATIONAL CONFERENCE ON QUANTUM THEORY AND SYMMETRIES (QTS7) 343, - (2012)

12. **KULISH, PP; LYAKHOVSKY, VD; POSTNOVA, OV.**
TENSOR POWER DECOMPOSITION. B-N CASE
7TH INTERNATIONAL CONFERENCE ON QUANTUM THEORY AND SYMMETRIES (QTS7) 343, - (2012)

13. **AVAN, J; KULISH, PP; ROLLET, G.**
REFLECTION K-MATRICES RELATED TO TEMPERLEY-LIEB R-MATRICES
THEORETICAL AND MATHEMATICAL PHYSICS 169(2), 1530-1538 (2011)

14. **KULISH, P; MUDROV, A.**
TWISTING ADJOINT MODULE ALGEBRAS
LETTERS IN MATHEMATICAL PHYSICS 95(3), 233-247 (2011)

15. **KULISH, PP; MANOJLOVIC, N; NAGY, Z.**
JORDANIAN DEFORMATION OF THE OPEN XXX SPIN CHAIN
THEORETICAL AND MATHEMATICAL PHYSICS 163(2), 644-652 (2010)

16. **KULISH, PP; MANOJLOVIC, N; NAGY, Z.**
SYMMETRIES OF SPIN SYSTEMS AND BIRMAN-WENZL-MURAKAMI ALGEBRA
JOURNAL OF MATHEMATICAL PHYSICS 51(4), - (2010)

17. **ILYIN, M; KULISH, P; LYAKHOVSKY, V.**
ON CERTAIN PROPERTIES OF BRANCHING COEFFICIENTS FOR AFFINE LIE ALGEBRAS
ST PETERSBURG MATHEMATICAL JOURNAL 21(2), 203-216 (2010)

18. **KULISH, P; MANOJLOVIC, N; SAMSONOV, M; STOLIN, A.**
BETHE ANSATZ FOR THE DEFORMED GAUDIN MODEL
PROCEEDINGS OF THE ESTONIAN ACADEMY OF SCIENCES 59(4), 326-331 (2010)

19. **KULISH, PETR; ASCHIERI, P; DIMITRIJEVIC, M; KULISH, P; LIZZI, F; WESS, J.**
TWIST DEFORMATIONS OF QUANTUM INTEGRABLE SPIN CHAINS
NONCOMMUTATIVE SPACETIMES: SYMMETRIES IN NONCOMMUTATIVE GEOMETRY AND FIELD THEORY 774, 165 (2009)

20. **WESS, JULIUS; ASCHIERI, P; DIMITRIJEVIC, M; KULISH, P; LIZZI, F; WESS, J.**
DEFORMED GAUGE THEORIES
NONCOMMUTATIVE SPACETIMES: SYMMETRIES IN NONCOMMUTATIVE GEOMETRY AND FIELD THEORY 774, 23 (2009)

21. **ASCHIERI, PAOLO; ASCHIERI, P; DIMITRIJEVIC, M; KULISH, P; LIZZI, F; WESS, J.**
NONCOMMUTATIVE SYMMETRIES AND GRAVITY
NONCOMMUTATIVE SPACETIMES: SYMMETRIES IN NONCOMMUTATIVE GEOMETRY AND FIELD THEORY 774, 133 (2009)

22. **FRING, A; KULISH, PP; MANOJLOVIC, N; NAGY, Z; DA COSTA, JN; SAMTLEBEN, H.**
INFINITE DIMENSIONAL ALGEBRAS AND THEIR APPLICATIONS TO QUANTUM INTEGRABLE SYSTEMS
JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL 41(19), - (2008)

23. **ANEVA, B; CHAICHIAN, M; KULISH, PP.**
FROM QUANTUM AFFINE SYMMETRY TO THE BOUNDARY ASKEY-WILSON ALGEBRA AND THE REFLECTION EQUATION
JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL 41(13), - (2008)

24. **CHAICHIAN, M; KULISH, PP; TUREANU, A; ZHANG, RB; ZHANG, X.**
NONCOMMUTATIVE FIELDS AND ACTIONS OF TWISTED POINCARE ALGEBRA
JOURNAL OF MATHEMATICAL PHYSICS 49(4), - (2008)

25. **KULISH, PP; MANOJLOVIC, N; NAGY, Z.**
QUANTUM SYMMETRY ALGEBRAS OF SPIN SYSTEMS RELATED TO TEMPERLEY-LIEB R-MATRICES
JOURNAL OF MATHEMATICAL PHYSICS 49(2), - (2008)

26. **KULISH, P; LYAKHOVSKY, V.**
STRING FUNCTIONS FOR AFFINE LIE ALGEBRAS INTEGRABLE MODULES
SYMMETRY INTEGRABILITY AND GEOMETRY-METHODS AND APPLICATIONS 4, - (2008)

27. **KULISH, PP; D LYAKHOVSKY, V; SAMSONOV, ME.**
TWISTS IN U(SL(3)) AND THEIR QUANTIZATIONS
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 39(24), 7669-7692 (2006)

28. **KULISH, PP; MUDROV, AI.**
BAXTERIZATION OF SOLUTIONS TO REFLECTION EQUATION WITH HECKE R-MATRIX
LETTERS IN MATHEMATICAL PHYSICS 75(2), 151-170 (2006)

29. **FRAPPAT, L; KULISH, P; RAGOUCY, E; RIVASSEAU, V; SORBAL, P.**
EDITORIAL: IN MEMORIAM DANIEL ARNAUDON
ANNALES HENRI POINCARE 7(7-8), 1213-1216 (2006)

30. **KULISH, PP; ZEITLIN, AM.**
QUANTUM SUPERSYMMETRIC TODA-MKDV HIERARCHIES
NUCLEAR PHYSICS B 720(3), 289-306 (2005)

31. **KULISH, PP; ZEITLIN, AM.**
QUANTUM INVERSE SCATTERING METHOD AND (SUPER) CONFORMAL FIELD THEORY
THEORETICAL AND MATHEMATICAL PHYSICS 142(2), 211-221 (2005)

32. **KULISH, P.P;ZEITLIN, A.M..**
GROUP THEORETICAL STRUCTURE AND INVERSE SCATTERING METHOD FOR SUPER-KDV EQUATION
J. MATH. SCI. 125, 203 (2005)

33. **KULISH, PP.**
NONCOMMUTATIVE GEOMETRY AND QUANTUM FIELD THEORY
NONCOMMUTATIVE GEOMETRY AND REPRESENTATION THEORY IN MATHEMATICAL PHYSICS 391, 213-221 (2005)

34. **CHAICHIAN, M; KULISH, PP; NISHIJIMA, K; TUREANU, A.**
ON A LORENTZ-INVARIANT INTERPRETATION OF NONCOMMUTATIVE SPACE-TIME AND ITS IMPLICATIONS ON NONCOMMUTATIVE QFT
PHYSICS LETTERS B 604(1-2), 98-102 (2004)

35. **KULISH, PP; ZEITLIN, AM.**
SUPERCONFORMAL FIELD THEORY AND SUSYN = 1 KDV HIERARCHY I: VERTEX OPERATORS AND YANG-BAXTER EQUATION
PHYSICS LETTERS B 597(2), 229-236 (2004)

36. **CELEGHINI, E; KULISH, PP.**
DEFORMATION OF ORTHOSYMPLECTIC LIE SUPERALGEBRA OSP(1 VERTICAL

BAR 4)
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 37(20), L211-L216
(2004)

37. KULISH, PP; ZEITLIN, AM.
QUANTIZATION OF INTEGRABLE MODELS WITH HIDDEN SYMMETRIES:
SUPER-KDV EQUATION
JOURNAL OF MODERN OPTICS 51(6-7), 1107-1108 (2004)

38. KULISH, PP; ZEITLIN, AM.
INTEGRABLE STRUCTURE OF SUPERCONFORMAL FIELD THEORY AND
QUANTUM SUPER-KDV THEORY
PHYSICS LETTERS B 581(1-2), 125-132 (2004)

39. KULISH, PP; MUDROV, AI.
DYNAMICAL REFLECTION EQUATION
ISRAEL MATHEMATICAL CONFERENCE PROCEEDINGS: QUANTUM GROUPS:
PROCEEDINGS OF A CONFERENCE IN MEMORY OF JOSEPH DONIN 433, 281-309
(2004)

40. KULISH, PP.
ON SPIN SYSTEMS RELATED TO THE TEMPERLEY-LIEB ALGEBRA
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 36(38), L489-L493
(2003)

41. DONIN, J; KULISH, PP; MUDROV, AI.
ON A UNIVERSAL SOLUTION TO THE REFLECTION EQUATION?
LETTERS IN MATHEMATICAL PHYSICS 63(3), 179-194 (2003)

42. KULISH, PP; MANOJLOVIC, N.
TRIGONOMETRIC OSP(1 VERTICAL BAR 2) GAUDIN MODEL
JOURNAL OF MATHEMATICAL PHYSICS 44(2), 676-700 (2003)

43. KULISH, PP.
QUANTUM GROUPS AND INTEGRABLE MODELS
FACTORIZATION AND INTEGRABLE SYSTEMS 141, 131-154 (2003)

44. ANANIKYAN, D. N.; KULISH, P. P.; LYAKHOVSKY, V. D..
FULL CHAINS OF TWISTS FOR SYMPLETIC ALGEBRAS
ST. PETERSBURG MATH. J. 14, 385 (2003)

45. KULISH, PP; STOLIN, A.
TWISTS IN HOPF ALGEBRAS AND RT1T2 = T2T1 RELATIONS
CZECHOSLOVAK JOURNAL OF PHYSICS 52(11), 1255-1260 (2002)

46. KULISH, PP; MUDROV, AI.
QUANTIZATION OF INHOMOGENEOUS LIE BIALGEBRAS
JOURNAL OF GEOMETRY AND PHYSICS 42(1-2), 64-77 (2002)

47. KULISH, PP; MANOJLOVIC, N.
CREATION OPERATORS AND BETHE VECTORS OF THE OSP(1/2) GAUDIN
MODEL
JOURNAL OF MATHEMATICAL PHYSICS 42(10), 4757-4778 (2001)

48. LYAKHOVSKY, VD; STOLIN, A; KULISH, PP.
CHAINS OF FROBENIUS SUBALGEBRAS OF SO(M) AND THE CORRESPONDING
TWISTS
JOURNAL OF MATHEMATICAL PHYSICS 42(10), 5006-5019 (2001)

49. KULISH, PP; MANOJLOVIC, N.
BETHE VECTORS OF THE OSP(1 VERTICAL BAR 2) GAUDIN MODEL
LETTERS IN MATHEMATICAL PHYSICS 55(1), 77-95 (2001)

50. KULISH, PP; LYAKHOVSKY, VD; STOLIN, A.
FULL CHAINS OF TWISTS FOR ORTHOGONAL ALGEBRAS
CZECHOSLOVAK JOURNAL OF PHYSICS 50(11), 1291-1296 (2000)

51. KULISH, PP; LYAKHOVSKY, VD.
JORDANIAN TWISTS ON DEFORMED CARRIER SUBSPACES
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 33(31), L279-L285
(2000)

52. BORZOV, VV; DAMASKINSKY, EV; KULISH, PP.
CONSTRUCTION OF THE SPECTRAL MEASURE FOR DEFORMED OSCILLATOR
POSITION OPERATOR IN THE CASE OF UNDETERMINED HAMBURGER
MOMENT PROBLEM
REVIEWS IN MATHEMATICAL PHYSICS 12(5), 691-710 (2000)

53. KULISH, PP; MUDROV, AI.
ON TWISTING SOLUTIONS TO THE YANG-BAXTER EQUATION
CZECHOSLOVAK JOURNAL OF PHYSICS 50(1), 115-122 (2000)

54. KULISH, PP.
TWISTING OF QUANTUM GROUPS AND INTEGRABLE SYSTEMS
PROCEEDINGS OF THE WORKSHOP ON NONLINEARITY, INTEGRABILITY AND
ALL THAT: TWENTY YEARS AFTER NEEDS '79 , 304-310 (2000)

55. KULISH, PP; LYAKHOVSKY, VD; DEL OLMO, MA.
CHAINS OF TWISTS FOR CLASSICAL LIE ALGEBRAS
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 32(49), 8671-8684
(1999)

56. KULISH, PP.
SYMMETRIES RELATED TO YANG-BAXTER EQUATION AND REFLECTION
EQUATIONS
INTERNATIONAL JOURNAL OF MODERN PHYSICS B 13(24-25), 2943-2951 (1999)

57. KULISH, PP; LYAKHOVSKY, VD; MUDROV, AI.
EXTENDED JORDANIAN TWISTS FOR LIE ALGEBRAS
JOURNAL OF MATHEMATICAL PHYSICS 40(9), 4569-4586 (1999)

58. KULISH, PP; MUDROV, AI.
UNIVERSAL R-MATRIX FOR ESOTERIC QUANTUM GROUPS
LETTERS IN MATHEMATICAL PHYSICS 47(2), 139-148 (1999)

59. KULISH, PP; LYAKHOVSKY, VD.
CLASSICAL AND QUANTUM DUALITY IN JORDANIAN QUANTIZATIONS
CZECHOSLOVAK JOURNAL OF PHYSICS 48(11), 1415-1421 (1998)

60. DAMASKINSKII, EV; KULISH, PP; CHAICHIAN, M.
DYNAMIC SYSTEMS RELATED TO THE CREMMER-GERVAIS R-MATRIX
THEORETICAL AND MATHEMATICAL PHYSICS 116(1), 820-828 (1998)

61. CELEGHINI, E; KULISH, PP.
TWIST DEFORMATION OF THE RANK-ONE LIE SUPERALGEBRA
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 31(4), L79-L84 (1998)

62. KULISH, PP.
TWISTING OF QUANTUM GROUPS AND INTEGRABLE MODELS
PARTICLES, FIELDS, AND GRAVITATION 453, 75-85 (1998)

63. KULISH, PP; STOLIN, AA.
DEFORMED YANGIANS AND INTEGRABLE MODELS
CZECHOSLOVAK JOURNAL OF PHYSICS 47(12), 1207-1212 (1997)

64. DEAZCARRAGA, JA; KULISH, PP; RODENAS, F.
TWISTED H-SPACETIMES AND INVARIANT EQUATIONS
ZEITSCHRIFT FUR PHYSIK C-PARTICLES AND FIELDS 76(3), 567-576 (1997)

65. CHAICHIAN, M; DEMICHEV, AP; KULISH, PP.
QUASI-CLASSICAL LIMIT IN Q-DEFORMED SYSTEMS, NON-COMMUTATIVITY
AND THE Q-PATH INTEGRAL
PHYSICS LETTERS A 233(4-6), 251-260 (1997)

66. ISAEV, AP; KULISH, PP.
TETRAHEDRON REFLECTION EQUATIONS
MODERN PHYSICS LETTERS A 12(6), 427-437 (1997)

67. DAMASKINSKY, EV; KULISH, PP.
IRREDUCIBLE REPRESENTATIONS OF DEFORMED OSCILLATOR ALGEBRA
AND Q-SPECIAL FUNCTIONS
INTERNATIONAL JOURNAL OF MODERN PHYSICS A 12(1), 153-158 (1997)

68. STOLIN, A; KULISH, PP.
NEW RATIONAL SOLUTIONS OF YANG-BAXTER EQUATION AND DEFORMED YANGIANS
CZECHOSLOVAK JOURNAL OF PHYSICS 47(1), 123-129 (1997)

69. KULISH, PP; RAUCHWOJCIECHOWSKI, S; TSIGANOV, AV.
STATIONARY PROBLEMS FOR EQUATION OF THE KDV TYPE AND DYNAMICAL R-MATRICES
JOURNAL OF MATHEMATICAL PHYSICS 37(7), 3463-3482 (1996)

70. DEAZCARRAGA, JA; KULISH, PP; RODENAS, F.
QUANTUM GROUPS AND DEFORMED SPECIAL RELATIVITY
FORTSCHRITTE DER PHYSIK-PROGRESS OF PHYSICS 44(1), 1-40 (1996)

71. KULISH, P.P..
YANG-BAXTER EQUATION AND REFLECTION EQUATIONS IN INTEGRABLE MODELS. IN: LOW-DIMENSIONAL MODELS IN STATISTICAL PHYSICS AND QUANTUM FIELD THEORY
469, 125 (1996)

72. KULISH, PP.
QUANTUM GROUP COVARIANT ALGEBRAS
QUANTUM GROUPS AND THEIR APPLICATIONS IN PHYSICS 127, 203-214 (1996)

73. DEAZCARRAGA, JA; KULISH, PP; RODENAS, F.
ON THE PHYSICAL CONTENTS OF Q-DEFORMED MINKOWSKI SPACES
PHYSICS LETTERS B 351(1-3), 123-130 (1995)

74. OSIPOV, YS; GONCHAR, AA; NOVIKOV, SP; ARNOLD, VI; MARCHUK, GI; KULISH, PP; VLADIMIROV, VS; MISHCHENKO, EF.
LYUDVIG DMITRIEVICH FADDEEV (ON HIS SIXTIETH BIRTHDAY)
RUSSIAN MATHEMATICAL SURVEYS 50(3), 643-659 (1995)

75. DAMASKINSKY, E.V.; KULISH, P.P.; SOKOLOV, M.A..
GAUSS DECOMPOSITION FOR QUANTUM GROUPS AND SUPERGROUPS
ZAP. NAUCHN. SEM. POMI 211, 11 (1995)

76. DEAZCARRAGA, JA; KULISH, PP; RODENAS, F.
NONCOMMUTATIVE GEOMETRY AND COVARIANCE - FROM THE QUANTUM PLANE TO QUANTUM TENSORS
CZECHOSLOVAK JOURNAL OF PHYSICS 44(11-12), 981-991 (1994)

77. DEAZCARRAGA, JA; KULISH, PP; RODENAS, F.
REFLECTION EQUATIONS AND Q-MINKOWSKI SPACE ALGEBRAS
LETTERS IN MATHEMATICAL PHYSICS 32(3), 173-182 (1994)

78. KULISH, PP; RAUCHWOJCIECHOWSKI, S; TSIGANOV, AV.
RESTRICTED FLOWS OF THE KDV HIERARCHY AND R-MATRIX FORMALISM
MODERN PHYSICS LETTERS A 9(22), 2063-2073 (1994)

79. KULISH, P. P..
A TWO PARAMETER QUANTUM GROUP AND GAUGE TRANSFORMATIONS
J. MATH. SCI. 68(2), 220 (1994)

80. CHAICHIAN, M; GOMES, JF; KULISH, P.
OPERATOR FORMULATION OF Q-DEFORMED DUAL STRING MODEL
PHYSICS LETTERS B 311(1-4), 93-97 (1993)

81. KULISH, PP; SASAKI, R.
COVARIANCE PROPERTIES OF REFLECTION EQUATION ALGEBRAS
PROGRESS OF THEORETICAL PHYSICS 89(3), 741-761 (1993)

82. KULISH, PP.
QUANTUM GROUPS, Q-OSCILLATORS, AND COVARIANT ALGEBRAS
THEORETICAL AND MATHEMATICAL PHYSICS 94(2), 137-141 (1993)

83. KULISH, PP; SASAKI, R; SCHWIEBERT, C.
CONSTANT SOLUTIONS OF REFLECTION EQUATIONS AND QUANTUM GROUPS
JOURNAL OF MATHEMATICAL PHYSICS 34(1), 286-304 (1993)

84. KULISH, P.P.; ARAKI, H.; ITO, K.R.; KISHIMOTO, A.; OJIMA, I..
REFLECTION EQUATION ALGEBRAS AND QUANTUM GROUPS

QUANTUM AND NON-COMMUTATIVE ANALYSIS. PAST, PRESENT AND FUTURE PERSPECTIVES , (1993)

85. **KULISH, PP.**
QUANTUM GROUPS AND DYNAMICAL-SYSTEMS
VISTAS IN ASTRONOMY, VOL 37, PTS 1-4: PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON QUANTUM PHYSICS AND THE UNIVERSE 37, 67-76 (1993)

86. **KULISH, PP; SKLYANIN, EK.**
ALGEBRAIC STRUCTURES RELATED TO REFLECTION EQUATIONS
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 25(22), 5963-5975 (1992)

87. **HIKAMI, K; KULISH, PP; WADATI, M.**
CONSTRUCTION OF INTEGRABLE SPIN SYSTEMS WITH LONG-RANGE INTERACTIONS
JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN 61(9), 3071-3076 (1992)

88. **DAMASKINSKII, E. V; CHAICHIAN, M; KULISH, P; LUKIERSKI, J.**
SUPERCOVARIANT Q-OSCILLATORS
NONLINEAR FIELDS : CLASSICAL, RANDOM, SEMICLASSICAL , 336-345 (1991)

89. **CHAICHIAN, M; KULISH, P.**
QUANTUM SUPERALGEBRAS, Q-OSCILLATORS AND APPLICATIONS
NONPERTURBATIVE METHODS IN LOW DIMENSIONAL QUANTUM FIELD THEORIES , 213-236 (1991)

90. **CHAICHIAN, M; ELLINAS, D; KULISH, P.**
QUANTUM GROUPS, Q-OSCILLATORS AND SOME APPLICATIONS
QUARKS 90 , 125-132 (1991)

91. **KULISH, P P; SKLYANIN, E K.**
THE GENERAL U(Q)(SL(2)) INVARIANT X X Z INTEGRABLE QUANTUM SPIN CHAIN
J. PHYS. A: MATH. GEN. 24, 435 (1991)

92. **BOITI, M; KULISH, P; PEMPINELLI, F.**
SCATTERING OF WALL SOLITONS IN 2+1 DIMENSIONS
PHYSICA D 44(3), 557-564 (1990)

93. **CHAICHIAN, M; ELLINAS, D; KULISH, P.**
QUANTUM ALGEBRA AS THE DYNAMIC SYMMETRY OF THE DEFORMED JAYNES-CUMMINGS MODEL
PHYSICAL REVIEW LETTERS 65(8), 980-983 (1990)

94. **KULISH, PP; DAMASKINSKY, EV.**
ON THE Q-OSCILLATOR AND THE QUANTUM ALGEBRA SUQ (1,1)
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 23(9), L415-L419 (1990)

95. **CHAICHIAN, M; KULISH, P; LUKIERSKI, J.**
Q-DEFORMED JACOBI IDENTITY, Q-OSCILLATORS AND Q-DEFORMED INFINITE-DIMENSIONAL ALGEBRAS
PHYSICS LETTERS B 237(3-4), 401-406 (1990)

96. **CHAICHIAN, M; KULISH, P.**
QUANTUM LIE-SUPERALGEBRAS AND Q-OSCILLATORS
PHYSICS LETTERS B 234(1-2), 72-80 (1990)

97. **KULISH, PP; RESHETIKHIN, NY.**
UNIVERSAL R-MATRIX OF THE QUANTUM SUPERALGEBRA OSP(2/1)
LETTERS IN MATHEMATICAL PHYSICS 18(2), 143-149 (1989)

98. **KULISH, PP; LIPOVSKII, VD; SHIROKOV, AV.**
SCATTERING DATA FOR THE NONSTATIONARY DIRAC EQUATION
J SOVIET MATH 47(2), 2488 (1989)

99. **KULISH, P.P.; BELAVIN, A.A.; KLIMYK, A.U.; ZAMOLODCHIKOV, A.B..**
QUANTUM LIE SUPERALGEBRAS AND SUPERGROUPS

PROBLEMS OF MODERN QUANTUM FIELD THEORY. INVITED LECTURES OF THE SPRING SCHOOL , (1989)

100.   KULISH, P. P;SMIRNOV, F. A..
INVERSE PROBLEM EQUATIONS FOR A THREE-WAVE QUANTUM SYSTEM
J. SOVIET MATH. 46, 1599 (1989)

101.   KULISH, P.P..
QUANTUM SUPERALGEBRA OSP(2|1)
J. SOV. MATH. 54, 923 (1989)

102.   KULISH, PP; LIPOVSKY, VD.
HAMILTONIAN-STRUCTURE OF THE DAVEY-STEWARTSON EQUATION AND POISSON BRACKETS OF SCATTERING DATA
PHYSICS LETTERS A 127(8-9), 413-417 (1988)

103.   KULISH, PP; SOKOLOV, MA.
SCATTERING-THEORY IN THE MASSLESS LEE MODEL
THEORETICAL AND MATHEMATICAL PHYSICS 73(1), 1121-1124 (1987)

104.   CHAICHIAN, M; KULISH, PP.
SUPERCONFORMAL ALGEBRAS AND THEIR RELATION TO INTEGRABLE NONLINEAR-SYSTEMS
PHYSICS LETTERS B 183(2), 169-174 (1987)

105.   KULISH, PP; RESHETIKHIN, NY.
GL3- INVARIANT SOLUTIONS OF THE YANG- BAXTER EQUATION AND ASSOCIATED QUANTUM SYSTEMS
J. SOV. MATH. 34, 1948 (1986)

106.   KULISH, PP.
QUANTUM NONLINEAR-WAVE INTERACTION SYSTEM
PHYSICA D 18(1-3), 360-364 (1986)

107.   ALISHAUSKAS, S;KULISH, P..
SPECTRAL RESOLUTION OF SU(3)-INVARIANT SOLUTIONS OF THE YANG-BAXTER EQUATION
J. SOV. MATH. 35, 2563 (1986)

108.   KULISH, P P.
INTEGRABLE GRADED MAGNETS
J. SOV. MATH. 35, 2648 (1986)

109.   KULISH, P.P..
ANALOG OF THE KORTEWEG-DE VRIES EQUATION FOR THE SUPERCONFORMAL ALGEBRA
DIFFERENTIAL GEOMETRY, LIE GROUPS AND MECHANICS 155, 142 (1986)

110.   KULISH, PP; SMIRNOV, FA.
ANISOTROPIC HEISENBERG-FERROMAGNET WITH A GROUND-STATE OF THE DOMAIN-WALL TYPE
JOURNAL OF PHYSICS C-SOLID STATE PHYSICS 18(5), 1037-1048 (1985)

111.   KULISH, PP.
QUANTUM OSP-INVARIANT NONLINEAR SCHRODINGER-EQUATION
LETTERS IN MATHEMATICAL PHYSICS 10(1), 87-93 (1985)

112.   KULISH, P P; REIMAN, A G.
HAMILTONIAN STRUCTURE OF POLYNOMIAL BUNDLES
J. SOV. MATH. 123, 67 (1985)

113.   KULISH, P.P..
QUANTUM OSP(1|2)-INVARIANT NONLINEAR SCHRODINGER EQUATION
ICTP PREPRINT IC/85/39 , (1985)

114.   GERDJIKOV, VS; IVANOV, MI; KULISH, PP.
EXPANSIONS OVER THE SQUARED SOLUTIONS AND DIFFERENCE EVOLUTION-EQUATIONS
JOURNAL OF MATHEMATICAL PHYSICS 25(1), 25-34 (1984)

115. **KULISH, P P.**
REPRESENTATION OF THE ZAMOLODCHIKOV-FADDEEV ALGEBRA
J. SOV. MATH. 24, 208 (1984)

116. **FORDY, AP; KULISH, PP.**
NON-LINEAR SCHRODINGER-EQUATIONS AND SIMPLE LIE-ALGEBRAS
COMMUNICATIONS IN MATHEMATICAL PHYSICS 89(3), 427-443 (1983)

117. **KULISH, PP; RESHETIKHIN, NY.**
DIAGONALIZATION OF GL(N) INVARIANT TRANSFER-MATRICES AND
QUANTUM N-WAVE SYSTEM (LEE MODEL)
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 16(16), L591-L596
(1983)

118. **KULISH, P.P.; REIMAN, A.G..**
HIERARCHY OF SYMPLECTIC FORMS FOR THE SCHRODINGER EQUATION AND
FOR THE DIRAC EQUATION ON A LINE
J. SOV. MATH. 22, 1627 (1983)

119. **GERDZHIKOV, V.S;KULISH, P.P..**
MULTICOMPONENT NONLINEAR SCHRODINGER EQUATION IN THE CASE OF
NONZERO BOUNDARY CONDITIONS
J. SOVIET MATH. 85, 2261 (1983)

120. **KULISH, P. P.; RESHETIKHIN, N.YU..**
QUANTUM LINEAR PROBLEM FOR THE SINE-GORDON EQUATION AND
HIGHER REPRESENTATIONS
J. SOV. MATH. 23(4), 2435 (1983)

121. **KULISH, PP.**
QUANTUM ALGEBRAS, Q-DEFORMED OSCILLATORS AND RELATED TOPICS
QUANTUM GROUP AND QUANTUM INTEGRABLE SYSTEMS , 99-131 (1992)

122. **KULISH, PP.**
QUANTUM GROUPS - PROCEEDINGS OF WORKSHOPS HELD IN THE EULER-
INTERNATIONAL-MATHEMATICAL-INSTITUTE, LENINGRAD, FALL 1990 -
PREFACE
QUANTUM GROUPS 1510, R7-R7 (1992)

123. **CELEGHINI, E; GIACHETTI, R; KULISH, PP; SORACE, E; TARLINI, M.**
HOPF SUPERALGEBRA CONTRACTIONS AND R-MATRIX FOR FERMIONS
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 24(24), 5675-5682
(1991)

124. **KULISH, PP.**
FINITE-DIMENSIONAL ZAMOLODCHIKOV-FADDEEV ALGEBRA AND Q-
OSCILLATORS
PHYSICS LETTERS A 161(1), 50-52 (1991)

125. **CHAICHIAN, M; KULISH, P; LUKIERSKI, J.**
SUPERCOVARIANT SYSTEMS OF Q-OSCILLATORS AND Q-SUPERSYMMETRIC
HAMILTONIANS
PHYSICS LETTERS B 262(1), 43-48 (1991)

126. **KULISH, PP; SKLYANIN, EK.**
THE GENERAL UQ[SL(2)] INVARIANT XXZ INTEGRABLE QUANTUM SPIN
CHAIN
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 24(8), L435-L439
(1991)

127. **KULISH, PP.**
CONTRACTION OF QUANTUM ALGEBRAS AND Q OSCILLATORS
THEORETICAL AND MATHEMATICAL PHYSICS 86(1), 108-110 (1991)

128. **KULISH, P P; RESHETIKHIN, N Y.**
DIAGONALIZATION OF GL(N) INVARIANT TRANSFER MATRICES AND
QUANTUM N-WAVE SYSTEM (LEE MODEL)
J. PHYS. A: MATH. GEN. 16, 591 (1983)

129.   KULISH, PP; SMIRNOV, FA.
QUANTUM INVERSE PROBLEM AND GREEN-FUNCTIONS FOR THE
HEISENBERG-FERROMAGNET
PHYSICS LETTERS A 90(1-2), 74-78 (1982)

130.   BORISOV, NV; KULISH, PP.
PATH INTEGRAL IN SUPERSPACE FOR A RELATIVISTIC SPINOR PARTICLE IN
AN EXTERNAL GAUGE FIELD
THEORETICAL AND MATHEMATICAL PHYSICS 51(3), 535-540 (1982)

131.   KULISH, PP.
CORRECTION
PHYSICS LETTERS A 88(9), 491-491 (1982)

132.   KULISH, P.P.; SKLYANIN, E.K..
ON THE SOLUTION OF THE YANG-BAXTER EQUATION
J. SOV. MATH. 19, 1596 (1982)

133.   KULISH, P P; SKLYANIN, E K.
QUANTUM SPECTRAL TRANSFORM METHOD. RECENT DEVELOPMENTS
LECT. NOTES PHYS 151, 61 (1982)

134.   KULISH, PP.
QUANTUM DIFFERENCE NON-LINEAR SCHRODINGER-EQUATION
LETTERS IN MATHEMATICAL PHYSICS 5(3), 191-197 (1981)

135.   KULISH, PP; RESHETIKHIN, NY; SKLYANIN, EK.
YANG-BAXTER EQUATION AND REPRESENTATION-THEORY .1.
LETTERS IN MATHEMATICAL PHYSICS 5(5), 393-403 (1981)

136.   KULISH, PP; SKLYANIN, EK.
O(N)-INVARIANT NON-LINEAR SCHRODINGER-EQUATION - A NEW
COMPLETELY INTEGRABLE SYSTEM
PHYSICS LETTERS A 84(7), 349-352 (1981)

137.   KULISH, PP.
CLASSICAL AND QUANTUM INVERSE PROBLEM METHOD AND GENERALIZED
BETHE ANSATZ
PHYSICA D 3(1-2), 246-257 (1981)

138.   GERDJIKOV, VS; KULISH, PP.
THE GENERATING OPERATOR FOR THE NXN LINEAR-SYSTEM
PHYSICA D 3(3), 549-564 (1981)

139.   KULISH, P.P.; RESHETIKHIN, N.YU..
GENERALIZED HEISENBERG FERROMAGNET AND THE GROSS-NEVEU MODEL
SOVIET PHYS. JETP 53, 108 (1981)

140.   KULISH, PP; TSYPLYAEV, SA.
SUPERSYMMETRIC COS PHI-2 MODEL AND THE INVERSE SCATTERING
TECHNIQUE
THEORETICAL AND MATHEMATICAL PHYSICS 46(2), 114-124 (1981)

141.   KULISH, PP; RESHETIKHIN, NY.
GENERALIZED HEISENBERG-FERROMAGNET AND THE GROSS-NEVEU MODEL
ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 80(1), 214-228 (1981)

142.   KULISH, P.P.; RESHETIKHIN, N.Y.; SKLYANIN, E.K..
YANG-BAXTER EQUATION AND REPRESENTATION THEORY
LETT. MATH. PHYS. 5, 393 (1981)

143.   KULISH, P.P..
REPRESENTATION OF THE ZAMOLODCHIKOV FADDEEV ALGEBRA
DIFFERENTIAL GEOMETRY, LIE GROUPS AND MECHANICS. PART IV 109, 83
(1981)

144.   KULISH, PP.
MULTICOMPONENT NON-LINEAR SCHRODINGER-EQUATION WITH GRADING
DOKLADY AKADEMII NAUK SSSR 255(2), 323-326 (1980)

145. **GERDZHIKOV, VS; IVANOV, MI; KULISH, PP.**
QUADRATIC BUNDLE AND NON-LINEAR EQUATIONS
THEORETICAL AND MATHEMATICAL PHYSICS 44(3), 784-795 (1980)

146. **IZERGIN, AG; KULISH, PP.**
INVERSE SCATTERING PROBLEM FOR SYSTEMS WITH ANTICOMMUTING
VARIABLES AND THE MASSIVE THIRRING MODEL
THEORETICAL AND MATHEMATICAL PHYSICS 44(2), 684-687 (1980)

147. **GERDJIKOV, V S; IVANOV, M I; KULISH, P P.**
QUADRATIC PENCILS AND NONLINEAR EQUATIONS
TEOR. MAT. FIZ. 44, 342 (1980)

148. **KULISH, P.P..**
MULTICOMPONENT NONLINEAR SCHRODINGER EQUATIONS WITH GRADED
MATRICES
SOVIET PHYSICS - DOKLADY 25(11), (1980)

149. **GERDZHIKOV, VS;KULISH, PP.**
DERIVATION OF THE BACKLUND TRANSFORMATION IN THE FORMALISM OF
THE INVERSE SCATTERING PROBLEM
THEORETICAL AND MATHEMATICAL PHYSICS 39(1), 327 (1979)

150. **KULISH, PP; SKLYANIN, EK.**
QUANTUM INVERSE SCATTERING METHOD AND THE HEISENBERG-
FERROMAGNET
PHYSICS LETTERS A 70(5-6), 461 (1979)

151. **CHAICHIAN, M;KULISH, PP.**
METHOD OF INVERSE SCATTERING PROBLEM AND BACKLUND
TRANSFORMATIONS FOR SUPERSYMMETRIC EQUATIONS
PHYSICS LETTERS B 78(4), 413 (1978)

152. **GERDJIKOV, V.S;KULISH, P.P..**
COMPLETELY INTEGRABLE HAMILTONIAN SYSTEMS, CONNECTED WITH THE
NON-SELF-ADJOINT DIRAC OPERATOR
BULGARIAN JOURNAL OF PHYSICS 5(4), (1978)

153. **IZERGIN, AG;KULISH, PP.**
INVERSE SCATTERING METHOD FOR CLASSICAL MASSIVE THIRRING MODEL
WITH ANTICOMMUTING VARIABLES
LETTERS IN MATHEMATICAL PHYSICS 2(4), 297 (1978)

154. **AREF'EVA, I. YA.; KULISH, P. P.; NISSIMOV, E. R.; PACHEVA, S. J..**
INFINITE SET OF CONSERVATION LAWS OF THE QUANTUM CHIRAL FIELD IN
2D SPACETIME
PREPRINT LOMI E-I-1978 , (1978)

155. **KULISH, PP.**
CONSERVATION LAWS FOR A STRING IN A STATIC-FIELD
THEORETICAL AND MATHEMATICAL PHYSICS 33(2), 1016 (1977)

156. **KULISH, PP; NISIMOV, ER.**
CONSERVATION LAW IN (COS-PHI-1)2 QUANTUM-THEORY AND IN MASSIVE
THIRRING MODEL
JETP LETTERS 24(4), 220 (1976)

157. **KULISH, PP; NISIMOV, ER.**
ANOMALIES OF QUANTUM CURRENTS IN EXACTLY SOLVABLE MODELS
THEORETICAL AND MATHEMATICAL PHYSICS 29(2), 992 (1976)

158. **KULISH, PP.**
FACTORIZATION OF CLASSICAL AND QUANTUM S-MATRIX AND
CONSERVATION LAWS
THEORETICAL AND MATHEMATICAL PHYSICS 26(2), 132 (1976)

159. **KULISH, PP; MANAKOV, SV; FADDEEV, LD.**
COMPARISON OF EXACT QUANTUM AND QUASICLASSICAL RESULTS FOR A
NONLINEAR SCHRODINGER EQUATION
THEORETICAL AND MATHEMATICAL PHYSICS 28(1), 615 (1976)

160.   KULISH, P.P.; NISIMOV, E.R..
LAWS OF CONSERVATION IN THE QUANTUM (COS PHI-1)2 THEORY AND MASSIVE THIRRING MODEL
ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI, PIS'MA V REDAKTSIYU 24(4), (1976)

161.   KOREPIN, V.E.; KULISH, P.P.; FADDEEV, L.D..
SOLITON QUANTISATION
ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI, PIS'MA V REDAKTSIYU 21(5), (1975)

162.   FADDEEV, L;KULISH, P..
ASYMPTOTIC CONDITIONS AND INFRARED DIVERGENCES IN QUANTUM ELECTRODYNAMICS
THEOR. MATH. PHYS. 4, 745 (1971)