

Publication of Mahito Kohmoto

1. M. Kohmoto and T. Watanabe
“Collisional Excitation Transfer in Near-Resonant Processes: Application to H + D”
J. Phys. B9, 2851 (1976).
2. M. Kohmoto and T. Watanabe
“Long-Range Interaction Potentials Involving Optically-Allowed Excited He”
J. Phys. Soc. Jpn. 42, 246 (1977).
3. M. Kohmoto and T. Watanabe
“Penning Ionization of Optically Allowed Excited Atoms: He(2^1P) and Ar Systems”
J. Phys. B10, 1875 (1977).
4. M. Kohmoto and L.P. Kadanoff
“Lower-Bound RSRG Approximation for a Large N System”
J. Phys. A13, 3339 (1980).
5. L.P. Kadanoff and M. Kohmoto
“SMJ’s Analysis of Ising Model Correlation Functions”
Ann. of Phys. 126, 371 (1980).
6. L.P. Kadanoff and M. Kohmoto
“Disorder Variables for a Non-Abelian Symmetry Group”
Nucl. Phys. B190, FS3, 671 (1981).
7. L.P. Kadanoff and M. Kohmoto
“Quantum Mechanical Ground States, Non-Linear Schrödinger Equations, and Linked Cluster Expansions”
J. Phys. A14, 1291 (1981).
8. M. Kohmoto, M. den Nijs, and L.P. Kadanoff
“Hamiltonian Studies of the d=2 Ashkin-Teller Model”
Phys. Rev. B24, 5229 (1981).
9. M. Kohmoto and U. Fano
“Orientation by Collision”
J. of Phys. B 14, L447 (1981).
10. D. Thouless, M. Kohmoto, P. Nightingale, and M. den Nijs
“Quantized Hall Conductance in a Two Dimensional Periodic Potential”
Phys. Rev. Lett. 49, 405 (1982).
11. Y. Oono and M. Kohmoto
“Crossover Behavior of Transport Properties of Dilute Polymer Solutions”
Phys. Rev. Lett. 49, 1397 (1982).
12. Y. Oono and M. Kohmoto
“Renormalization Group Theory of Transport Properties of Polymer Solutions. I. Dilute Solutions”
J. Chem. Phys. 78, 520 (1983).
13. M. Kohmoto, L.P. Kadanoff, and C. Tang
“Localization Problem in One Dimension: Mapping and Escape”
Phys. Rev. Lett. 50, 1870 (1983).
14. Y. Oono and M. Kohmoto
“Renormalization Group Theory of Transport Properties of Polymer Solutions. II. Rotatory Friction Coefficient vs. Intrinsic Viscosity”
J. Chem. Phys. 79, 2478 (1983).
15. M. Kohmoto
“Metal-Insulator Transition and Scaling for Incommensurate Systems”
Phys. Rev. Lett. 51, 1198 (1983).

16. M. Kohmoto and Y. Oono
“Cantor Spectrum for an Almost Periodic Schrödinger Equation and a Dynamical Map”
Phys. Lett. 102A, 145 (1984).
17. M. Kohmoto
“Topological Invariant and the Quantization of Hall Conductance”
Ann. of Phys. (New York) 160, 343 (1985).
18. Y. Oono and M. Kohmoto
“Discrete Model of Chemical Turbulence”
Phys. Rev. Lett. 55, 2927 (1985).
19. J. Banavar, M. Kohmoto, and J. Roberts
“Aggregate Models of Pattern Formation”
Phys. Rev. A33, 2065 (1986).
20. M. Kohmoto and J. Banavar,
“Quasiperiodic Lattice: Electronic Properties, Phonon Properties, and Diffusion”
Phys. Rev. B34, 563 (1986).
21. M. Kohmoto and B. Sutherland
“Electronic States on a Penrose Lattice”
Phys. Rev. Lett. 56, 2740 (1986).
22. M. Kohmoto and B. Sutherland
“Electronic and Vibrational Modes on a Penrose Lattice: Localized States and Band Structure”
Phys. Rev. B34, 3849 (1986).
23. M. Kohmoto
“Localization Problem and Mapping of One-Dimensional Wave Equations in Random and Quasiperiodic Media”
Phys. Rev. B34, 5043 (1986).
24. C. Tang and M. Kohmoto
“Global Scaling Properties of the Spectrum for a Quasi-Periodic Schrödinger Equations”
Phys. Rev. B34 2041 (1986).
25. M. Kohmoto, B. Sutherland, and C. Tang
“Critical Wave Functions and a Cantor-Set Spectrum of a One-Dimensional Quasicrystal”
Phys. Rev. B35, 1020 (1987).
26. E. Fradkin and M. Kohmoto
“Quantized Hall Effect and Geometrical Localization of Electrons on Lattices”
Phys. Rev. B35, 6017 (1987).
27. M. Kohmoto
“Electronic States of Quasiperiodic Systems: Fibonacci and Penrose Lattices”
Int. J. of Mod. Phys. B1, 31(1987).
28. B. Sutherland and M. Kohmoto
“Resistance of a One-dimensional Quasicrystal: Power-law Growth”
Phys. Rev. B36, 5877 (1987).
29. M. Kohmoto, B. Sutherland, and K. Iguchi
“Localization in Optics: Quasiperiodic Media”
Phys. Rev. Lett. 58, 2436 (1987).
30. M. Kohmoto
“Entropy Function for Multifractals”
Phys. Rev. A37, 1345 (1988).
31. T. Fujiwara, M. Arai, T. Tokihiro, and M. Kohmoto
“Localized States and Self-similar States of Electrons on a Two-dimensional Penrose Lattice”
Phys. Rev. B37, 2797 (1988).

32. M. Kohmoto
“Resonating-Valence-Bond State: Comments on the Antiferromagnetic Ordering of the Two-dimensional Heisenberg Model”
Phys. Rev. B37, 3812 (1988).
33. M. Kohmoto and Y. Shapir
“Antiferromagnetic Correlations of the Resonating-Valence-Bond State”
Phys. Rev. B37, 9439 (1988).
34. M. Arai, T. Tokihiro and T. Fujiwara, and M. Kohmoto
“Strictly Localized States on a Two-dimensional Penrose Lattice”
Phys. Rev. B38, 1621 (1988).
35. T. Janssen and M. Kohmoto
“Multifractal Spectral and Wave-function Properties of the Quasiperiodic Modulated-Spring Model”
Phys. Rev. B38, 5811 (1988).
36. M. Kohmoto and J. Friedel
“Pairing of Holes in the Spin Liquid: Possible Application to the High-temperature Superconductors”
Phys. Rev. B38, 7054 (1988).
37. Y. Shapir and M. Kohmoto
“Exact Mapping of the Resonant-Valence-Bond State to a Classical O(4) Model in a Logarithmic Potential: Mean-Field Theory, Magnetic Correlations and Excitations”
Phys. Rev. B39, 4524 (1989).
38. H. Hiramoto and M. Kohmoto
“New Localization in a Quasiperiodic System”
Phys. Rev. Lett. 62, 2714 (1989).
39. T. Fujiwara, M. Kohmoto, and T. Tokihiro
“Multifractal Wave Functions on a Fibonacci Lattice”
Phys. Rev. B40, 7413 (1989).
40. H. Hiramoto and M. Kohmoto
“Scaling Analysis of Quasiperiodic Systems: Generalized Harper model”
Phys. Rev. B40, 8225 (1989).
41. M. Kohmoto
“Zero Modes and the Quantized Hall Conductance of the Two-Dimensional Lattice in a Magnetic Field”
Phys. Rev. B39, 11943 (1989).
42. G. Montambaux and M. Kohmoto
“Quantized Hall Effect in Three Dimensions”
Phys. Rev. B41, 11417 (1990).
43. M. Kohmoto
“Integer Quantized Hall Effect in Spin-Density-Wave Phases of Two-Dimensional Conductors”
J. Phys. Soc. Jpn. 59, 1537 (1990).
44. M. Kohmoto and Y. Takada
“Superconductivity from an Insulator”
J. Phys. Soc. Jpn. 59, 1541 (1990).
45. H. Tasaki and M. Kohmoto
“Resonating-Valence-Bond Ground State in a Large-n t-J Model”
Phys. Rev. B42, 2547 (1990).
46. Y. Takada and M. Kohmoto
“New Pairing State in an Attractively-Coupled Double-Chain Organic Material: Possibility of an Exciton Mechanism of Superconductivity in Spatially Separated Systems”
Phys. Rev. B41, 8872 (1990).

47. M. Kohmoto and Y. Hatsugai
 "Peierls Stabilization of Magnetic Flux States of Two-Dimensional Lattice Electrons"
*Phys. Rev. B*41, 9527 (1990).
48. Y. Hasegawa, Y. Hatsugai, M. Kohmoto, and G. Montambaux
 "Stabilization of Flux States on Two-Dimensional Lattice Electrons"
*Phys. Rev. B*41, 9174 (1990).
49. M. Nakamura, T. Yasuda, K. Kitahara, and M. Kohmoto
 "Spin Depolarization on a Linear Chain with Quasiperiodic Lamor Frequencies"
J. Phys. Soc. of Jpn. 59, 826 (1990).
50. Y. Hatsugai and M. Kohmoto
 "Spectrum and the Quantum Hall Effect on the Square Lattice with Next-Nearest-Neighbor Hopping"
*Phys. Rev. B*42, 8282 (1990).
51. Y. Hatsugai, M. Kohmoto, and Y.S. Wu
 "Braid Group and Anyons on a Cylinder"
*Phys. Rev. B*43, 2661(1991).
52. M. Kohmoto
 "Singularities in the Thermodynamic Formalism of Multifractals"
J. Phys. Soc. Jpn. 60, 2876 (1991).
53. Y.S. Wu, Y. Hatsugai, and M. Kohmoto
 "Gauge Invariance of Fractionally Charged Anyonic Quasiparticles and Hidden Topological Z_n Symmetry"
Phys. Rev. Lett. 66, 659 (1991).
54. Y. Hatsugai, M. Kohmoto, and Y.S. Wu
 "Anyons on a Torus: Braid Group, Aharonov-Bohm Period and Numerical Study"
*Phys. Rev. B*43, 10761(1991).
55. Y. Hatsugai and M. Kohmoto
 "Numerical Study of the Hidden Antiferromagnetic Order in the Haldane Phase"
*Phys. Rev. B*44, 11789 (1991).
56. Y. Hatsugai and M. Kohmoto
 "Exactly Solvable Model of Correlated Lattice Electrons in Any Dimensions"
J. Phys. Soc. Jpn. 61, 2056 (1992).
57. M. Kohmoto
 "Dynamical System Related to Quasiperiodic Schröinger Equations in One Dimension"
J. Stat. Phys. 66, 887 (1992).
58. Y. Hatsugai, M. Kohmoto, and Y.S. Wu
 "Multi-Sheet Space and Fractional Quantum statistics"
*Phys. Rev. B*45, 11161 (1992).
59. H. Hiramatsu and M. Kohmoto
 "Electronic Spectral and Wavefunction Properties of One-dimensional Quasiperiodic Systems: a Scaling Approach"
*Int. J. Mod. Phys. B*6, 281(1992).
60. M. Kohmoto and H. Tasaki
 "Hidden $Z_2 \times Z_2$ Symmetry Breaking and the Haldane Phase in $S = 1/2$ Quantum Spin Chain with Bond Alteration"
*Phys. Rev. B*46, 3486 (1992).
61. M. Kohmoto, B.I. Halperin and Y.S. Wu
 "Diophantine Equation for the 3D Quantum Hall Effect"
*Phys. Rev. B*45, 13488 (1992).

62. M. Kohmoto
 "Flux and the Quantized Hall Conductance in Two-dimensional Periodic Systems"
J. Phys. Soc. Jpn. 61, 2645 (1992).
63. M. Kohmoto and H. Hiramoto
 "High Resistivity in the Quasicrystals"
*Mod. Phys. Lett. B*7, 183 (1993).
64. Y. Avishai, Y. Hatsugai and M. Kohmoto
 "Persistent Currents and Edge States in a Magnetic Field"
*Phys. Rev. B*47, 9501 (1993).
65. M. Kohmoto
 "Quantum Wire Networks and the Quantized Hall Effect"
J. Phys. Soc. Jpn. 62, 4001 (1993).
66. M. Kohmoto
 "Berry's Phase of Bloch Electrons in Electromagnetic Fields"
J. Phys. Soc. Jpn. 62, 659 (1993).
67. M. Yamanaka, Y. Hatsugai and M. Kohmoto
 "Phase Diagram of the $S = 1/2$ Quantum Spin Chain with Bond Alternation"
*Phys. Rev. B*48, 9555 (1993).
68. Y. Avishai, Y. Hatsugai and M. Kohmoto
 "Localization Problem of a Two-Dimensional Lattice in a Random Magnetic Field"
*Phys. Rev. B*47, 9561(1993).
69. Y. Hasegawa, M. Kohmoto and G. Montambaux
 "Three-Dimensional Superconducting Networks in a Magnetic Field"
*Phys. Rev. B*48, 1119 (1993).
70. Y. Avishai and M. Kohmoto
 "Quantized Persistent Currents of a Quantum Dot in a Strong Magnetic Field"
Phys. Rev. Lett. 71, 279 (1993).
71. Y. Avishai Y. Hatsugai and M. Kohmoto
 "Localization Problem of 2-Dimential Lattice in a Random Magnetic Field a Quantum Dot in a Strong Magnetic Field"
*Phys. Rev. B*47, 9561 (1993).
72. W. Gellermann, M. Kohmoto, B. Sutherland and P.C. Taylor
 "Quasi-Localization of Light Waves in Fibonacci Dielectric Multilayers"
Phys. Rev. Lett. 72, 633 (1994).
73. M. Yamanaka, Y. Hatsugai and M. Kohmoto
 "Phase Diagram of the Ashkin-Teller Quantum Spin Chain "
*Phys. Rev. B*50, 559 (1994).
74. K. Ikezawa and M. Kohmoto
 "Energy Specrrum and the Critical Wavefunctions of the One-Dimensional Quasiperiodic Harper Model- the Silver Mean Case -"
J. Phys. Soc. Jpn 63, 2261 (1994).
75. J.H. Han, D.J. Thouless, H. Hiramoto, and M. Kohmoto
 "Critical and Bicritical Properties of Harper's Equation with Next Nearest Neighbor Coupling"
*Phys. Rev. B*50, 11365 (1994).
76. K. Machida, Y. Hasegawa, M. Kohmoto, V.M. Yakovenko, Y.Hori and K. Kishigi
 "Quantized Hall Conductance and Its Sign Reversal Phenomena in Field-Induce Spin Density Wave"
*Phys. Rev. B*50, 921 (1994).

77. Y. Hatsugai, M. Kohmoto, and Y.S. Wu
 "Explicit Solutions of the Bethe Ansatz Equations for Bloch Electrons in a Magnetic Field"
Phys. Rev. Lett. 73, 1134 (1994).
78. Y. Avishai and M. Kohmoto
 "Integral Quantum Hall Effect on an Annulus"
Int. J. Mod. Phys. B9, 2949 (1995).
79. M. Yamanaka and M. Kohmoto
 "Line of Continuously Varying Criticality in the Ashkin-Teller Quantum Chain"
Phys. Rev. B52, 1138 (1995).
80. Y. Morita, Y. Hatsugai, and M. Kohmoto
 "Universal Correlation in the Random Matrices and 1d Particles with Long Range Interactions in a Confinement Potential"
Phys. Rev. B52, 4716 (1995).
81. T.S. Kobayakawa, Y. Hatsugai, M. Kohmoto, and A. Zee
 "Universal Correlations between Eigenvalues of Random Matrices" *Phys. Rev. E51*, 5365 (1995).
82. Y. Avishai, Y. Hatsugai and M. Kohmoto
 "Single-Particle States on the Sphere with a Magnetic Field and Disorder"
Phys. Rev. B51, 13419 (1995).
83. N. Nagaosa and M. Kohmoto
 "Edge and Bulk of the Fractional Hall Liquids"
Phys. Rev. Lett. 75, 4294 (1995).
84. M. Yamanaka, S. Honjyo, Y. Hatsugai and M. Kohmoto
 "Exact Ground-State Correlation Functions of the One-Dimensional Strongly Correlated Electron Models with the Resonating-Valence-Bond Ground States"
J. Stat. Phys. 84, 1133 (1996).
85. Y. Avishai, Y. Hatsugai, and M. Kohmoto
 "Two-Matrix Models and Their Possible Relevance to Disorder Systems"
Phys. Rev. B53, 8369 (1996).
86. Y. Hatsugai, M. Kohmoto, T. Koma, and Y.S. Wu
 "Mutual Exclusion Statistics in Thermodynamic Bethe Ansatz and an Exactly Solvable Model in Higher Dimensions"
Phys. Rev. B54, 5358 (1996).
87. Y. Hatsugai, M. Kohmoto, and Y.S. Wu
 "Quantum Group, Bethe Ansatz and Bloch Electrons in a Magnetic Field"
Phys. Rev. B53, 9697 (1996)
88. Masahito Takahashi, Yasuhiro Hatsugai and Mahito Kohmoto
 "Conductiviy of 2D Lattice Electrons in an Incommensurate Magnetic Field"
J. Phys. Soc. Jpn. 65, 529 (1996).
89. Y. Morita, Y. Hatsugai, and M. Kohmoto
 "Exact Results on Superconductivity Due to Interband Coupling" *Phys. Rev. B53*, 8561 (1996).
90. Y. Morita, Y. Hatsugai, and M. Kohmoto
 "Exact Results on the Excitonic Insulator"
J. of Phys. Condensed Matter 8, 4767 (1996).
91. M. Yamanaka, Y. Avishai and M.Kohmoto
 "New Universality Class in the One-Dimensional Localization Problem"
Phys. Rev. B54, 228 (1996).
92. Y. Hatsugai, M. Kohmoto, and Y.S. Wu
 "Hidden Massive Spectators in the Effective Field Theory for Integral Quantum Hall Transitions"
Phys. Rev. B54, 4898 (1996).

93. Y. Avishai and M. Kohmoto
 "Two-Dimensional Electrons in Random Magnetic Fields: Physical Realization of a New Universality Class of Random Matrices"
Phy. Rev. B 54, 4194 (1996).
94. J. Shiraishi and M. Kohmoto
 "Current and Charge Distributions of the Fractional Quantum Hall Liquids with Edges"
Phys. Rev. B 54, 17667 (1996).
95. H. Hiramoto and M. Kohmoto
 "Quasiperiodic Modulated Spring Model"
J. Phys. Soc. Jpn. 65, 3915 (1996).
96. Y. Morita, M. Kohmoto and T. Koma
 "Quasi-Bound States of Two Magnons in the XXZ Spin Chain"
J. Stat. Phys. 745, 88 (1997).
97. J. Shiraishi, Y. Morita and M. Kohmoto "Superconducting Correlation in the 1d t-J Model with Broken Parity"
J. Phys. A, 30, 831 (1997).
98. Y. Hatsugai, X.G. Wen, and M. Kohmoto
 "Disordered Critical Points in Random Bond Models in Two Dimensions"
Phys. Rev. B 56, 1061 (1997).
99. Y. Morita, M. Kohmoto and K. Maki
 "Quasiparticle Spectra around a Single Vortex in a d-Wave superconductor"
Phys. Rev. Lett. 78, 4841(1997).
100. M. Yamanaka and M. Kohmoto
 "Correlations in one dimensinal disordered electronic systems with interaction"
Phys. Rev. B 55, R7295 (1997).
101. I. Chang, K. Ikezawa and M. Kohmoto
 "Multifractal properties of the wavefunctions of the square lattice tight-binding model with next nearest neighbor hopping in a magnetic field"
Phys. Rev. B 55, 12971 (1997).
102. K. Kimura, Y. Hatsugai, and M. Kohmoto
 "Adiabatic Connection between the RVB State and the Ground State of the Half filled Periodic Anderson Model"
J. Phys. Codensed Matter 9, 10353 (1997).
103. Y. Morita, M. Kohmoto and K. Maki
 "Low-lying excitations around a single vortex in a d-wave superconductor" *Europhys. Lett.* 40, 207 (1997).
104. H. Tajima, J. Shiraishi, and M. Kohmoto
 "Molecular Conductors with Two-Chain Orbitals"
Solid State Commun. 103, 545 (1997).
105. Y. Morita, M. Kohmoto and K. Maki
 "Reply to Comment by Franz and Ichioka"
Phys. Rev. Lett. 79, 4514 (1997).
106. Y.S. Wu, Y.Yu, Y. Hatsugai, and M. Kohmoto "Thermal Activation of Quasiparticles and Thermodynamics of Fractional Quantum Hall Liquids"
Phys. Rev. B 57, 9907 (1998).
107. D. Lidsky, J. Shiraishi, Y. Hatsugai and M. Kohmoto
 "Simple Exactly Solvable Model of Non-Fermi Liquids"
Phys. Rev. B 57, 1340 (1998).
108. J. Shiraishi, M. Kohmoto, and Y.S. Wu
 "Duality of quasiparticle gases in the fractional quantum Hall effect"
Europhys Lett. 41, 541 (1998).

109. J. Shiraishi, Y. Avishai and M. Kohmoto
 "Charge and current oscillations in Fractional quantum Hall systems with edges"
Phys. Rev. B 57, 13061 (1998).
110. Y. Morita, M. Kohmoto and K. Maki
 "Aspects of a Single Vortex in D-wave Superconductors"
Int. J. of Mod. Phys. B 10, 989 (1998).
111. Jun'ichi Shiraishi, Mahito Kohmoto and Kazumi Maki
 "Stability of the Vortex Lattice in D-wave Superconductors"
Europhys. Lett. 44, 367 (1998).
112. J. Shiraishi, M. Kohmoto and K. Maki
 "Vortex Lattice Transition in D-Wave Superconductors"
Phys. Rev. B 59, 4497 (1999).
113. I. Chang, J. Friedel and M. Kohmoto
 "Phase Transition between D-wave and Anisotropic S-wave Gaps in High Temperature Oxides Superconductors"
Europhys. Lett. 50, 782 (2000).
114. H. Shimahara, Y. Hasegawa, and M. Kohmoto,
 "Pseudogap due to Antiferromagnetic Fluctuations and the Phase Diagram of the High Temperature Oxide Superconductivity"
J. Phys. Soc. Jpn. 69, 1598 (2000).
115. M. Sato and M. Kohmoto
 "Mechanism of Spin-triplet Superconductivity in Sr₂RuO_{4"}
J. Phys. Soc. Jpn. 69, 3505 (2000).
116. M. Kohmoto and M. Sato
 "Spin-triplet Superconductivity in Quasi-one Dimension"
Europhys. Lett. 56, 736 (2001).
117. J. Friedel and M. Kohmoto
 "Magnetism, Phonons and Anisotropy of High Temperature Cuprates Superconductor"
Int. J. Mod. Phys. B 15, 511 (2001).
118. Mahito Kohmoto, Iksoo Chang, and Jacques Friedel
 "Enhancement of Superconductive Critical Temperatures in Almost Empty or Full bands in Two Dimensions:
 Possible Relevance to β -HfNCl, C₆₀ and MgB₂"
Mod. Phys. Lett. 15, 359 (2001).
119. Hiroshi Shimahara and Mahito Kohmoto
 "Triplet Superconductivity Induced by Screened Phonon Interactions in Ferromagnetic Compounds"
Europhys. Lett. 57, 247 (2002).
120. J. Goryo and M. Kohmoto
 "Berry phase and Quantized Hall Effect in Three-dimensions"
J. Phys. Soc. Jpn. 71, 1403 (2002).
121. Hiroshi Shimahara and Mahito Kohmoto
 "Anisotropic Superconductivity Mediated by Phonons in Layered Systems with Weak Screening Effect"
Phys. Rev. B 65, 174502 (2002).
122. J. Goryo and M. Kohmoto
 "Polarization of Bloch electrons and Berry Phase in the Presence of Electromagnetic Fields"
Phys. Rev. B 66, 085118 (2002).
123. J. Friedel and M. Kohmoto
 "On the Nature of Antiferromagnetism in the CO₂ Planes of Oxide Superconductors"
Eur. Phys. J. B 30, 427 (2002).

124. J. Goryo and M. Kohmoto
 “Berry phase and Spin Quantum Hall Effect in the Vortex States of the Superfluid ^3He in 2D”
Phys. Rev. B 66, 174503 (2002).
125. Y. Hatsugai, S. Ryu and M. Kohmoto
 “Superconductivity and Abelian Chiral Anomalies”
Phys. Rev. B 70, 054502 (2004),
126. H. Miki, M. Sato and M. Kohmoto
 “Motion of Molecular Motor and Chemical Reaction Rate”
Phys. Rev. E 68, 61906 (2004).
127. Michihiro Naka, Kazusumi Ino and Mahito M. Kohmoto
 “Critical Level Statistics of the Fibonacci Model”
Phys. Rev. B 71, 245120 (2005).
128. Kazusumi Ino and Mahito Kohmoto
 “Critical properties of Harper’s equation on the triangular lattice”
Phys. Rev. B 73, 205111 (2006).
129. Mahito Kohmoto and Ara Sedrakyan
 “Hofstadter Problem on the Honeycomb and the Triangular Lattices: Bethe Ansatz Solution”
Phys. Rev. B 73, 235118 (2006).
130. M. Sato, M. Kohmoto and Y.S. Wu
 “Braid Group, Fractional Charge and Topological Order”
Phys. Rev. Lett. 97, 010601 (2006).
131. Yasumasa Hasegawa, Rikio Konno, Hiroki Nakano and Mahito Kohmoto
 “Zero Modes of Tight-Binding Electrons on the Honeycomb Lattice”
Phys. Rev. B 74, 033413 (2006).
132. Yasumasa Hasegawa and Mahito Kohmoto
 “Quantized Hall Effect and the Topological Number in Graphene”
Phys. Rev. B 74, 155415 (2006).
133. Kenji Ohira, Masatoshi Sato and Mahito Kohmoto
 “Fluctuations in Chemical Gelation”
Phys. Rev. E 75, 041402 (2007).
134. Daijiro Tobe, Mahito Kohmoto, Masatoshi Sato, and Yong-Shi Wu
 “Distribution of Spectral-Flow Gaps in the Rashba Model with Disorder: a Universality”
Phys. Rev. B 75, 245203 (2007).
135. M. Kohmoto and Y. Hasegawa,
 “Zero modes and the Edge States of the Honeycomb Lattice”
Phys. Rev. B 76, 205402 (2007).
136. Jun Goryo and Mahito Kohmoto
 “Adiabatic Process and Chern Numbers ”
Mod. Phys. Lett. B 22, 303 (2008).
137. Jun Goryo, Mahito Kohmoto, and Yong-Shi Wu
 “Quantized Spin Hall Effect in ^3He -A and Other p -wave Paired Fermi Systems”
Phys. Rev. B 77, 144504 (2008).
138. Mahito Kohmoto and Daijiro Tobe
 “Localization Problem of the Quasiperiodic System with the Spin Orbit Interaction”
Phys. Rev. B 77, 134204 (2008).
139. Masatoshi Sato, Daijiro Tobe, Mahito Kohmoto
 “The Hall conductance, topological quantum phase transition and the Diophantine equation on honeycomb lattice”
Phys. Rev. B 78, 235322 (2008).

140. M. Kohmoto
“Gauge Fields, Quantized Fluxes and Monopole Confinement of the Honeycomb Lattice”
Int. J. of Mod. Phys. B 23, 3113 (2009).
141. Mahito Kohmoto and Tohru Koma
“Friedel Sum Rule as a Trace Formula”
arXiv:math-ph/0508030

Other

1. M. Kohmoto
 "Quantized Hall Effect, Cantor Spectrum and Smale Horseshoe"
 in Proceedings of the International Conference on Foundation of Quantum Mechanics, Tokyo (1983)
 edited by S. Kamefuchi et al. (Physical Society of Japan, 1984) p353.
2. M. Kohmoto
 "Dynamical System Related to an Almost Periodic Schrödinger Equation"
 in Chaos and Statistical Methods, edited by Y. Kuramoto (Springer-Verlag, Berlin, Heidelberg, New York, Tokyo, 1984) p52.
3. M. Kohmoto
 "The Localization Problem in Low-Dimensional Quasicrystals" in Anderson Localization ,
 Proceedings of the International Symposium Tokyo Japan, edited by T. Ando and H. Fukuyama
 (Springer-Verlag, Berlin Heidelberg 1988) p.282.
4. M. Kohmoto
 "Multifractal Analysis in Localization Problem of Quasiperiodic Systems"
 in Quasicrystal, edited by M. Jaric and S. Lundqvist (World Scientific, Singapore, 1990) p.374.
5. Y. Takada and M. Kohmoto
 "Novel Superconductivity from an Insulator"
 in the Physics and Chemistry of Organic Superconductors, edited by G. Saito and S. Kagoshima (Springer-Verlag Berlin Heidelberg 1990) p. 434.
6. M. Kohmoto
 "Quantized Hall Effect in Spin-Wave Phases of Two-Dimensional Conductors"
 in the Physics and Chemistry of Organic Superconductors, edited by G. Saito and S. Kagoshima (Springer-Verlag Berlin Heidelberg 1990) p. 102.
7. M. Kohmoto
 "Multifractal Method for Spectra and Wave Functions of QuasiperiodicSystems"
 in Quasicrystals, edited by Fujiwara and Ogawa (Springer-Verlag Berlin Heidelberg 1990) p.102.
8. Y. Hatsugai and M. Kohmoto
 "Exactly Solvable Model of Correlated Lattice Fermions in Any Dimensions"
 Physica C185, 1539 (1991).
9. Y. Hatsugai and M. Kohmoto
 "Energy Spectrum and the Quantum Hall Effect on the Square Lattice with Next-Nearest-Neighbor Hopping:
 Statistics of Holons and Spinons in the t-J Model"
 in Physics in (2+1)-Dimension, Proceedings of Second Winter School on Mathematical Physics Ed. Y.M. Cho
 (World Scientific, 1992) p.304.
10. Y. Hatsugai, M. Kohmoto, and Y.S. Wu
 "Braid Group and Anyons on an Annulus and a Torus"
 in The Physics and Chemistry of Oxide Superconductors Ed. Y. Iye and H. Yasuoka (Springer-Verlag, Berlin Heidelberg, 1992) p.457.
11. Y. Hatsugai, M. Kohmoto, and Y.S. Wu
 "Braid Groups, Anyons and Gauge Invariance on Topologically Nontrivial Surfaces"
 Prog. Theor. Phys. Suppl. No. 107, 101 (1992).
12. Y. Hatsugai, M. Kohmoto, and Y.S. Wu
 "Anyons on a Lattice"
 in Computational Approaches in Condensed-Matter Physics, Springer-Verlag p. 115 (1992).
13. M. Kohmoto, B.I. Halperin and Y.S. Wu
 "Quantized Hall Effect in 3D Periodic Systems"
 Physica B 184, 33 (1993).

14. Y. Avishai and M. Kohmoto
“Quantization of Persistent Currents at Strong Magnetic Field”
Physica A 200, 504 (1993).
15. Y. Hasegawa, M. Kohmoto and G. Montambaux
“Phase Boundaries of Three-Dimensional Superconducting Networks in a Magnetic Field”
Physica B 194-196, 1475 (1994).
16. Y. Hasegawa, M. Kohmoto, and G. Montambaux “Transition Temperature of Three-Dimensional Superconducting Networks in a Magnetic Field”
Physica B, 201, 259-261 (1994).
17. K. Machida, Y. Hasegawa, M. Kohmoto, Y. Hori, and K. Kishigi “Field-Induced Spin Density Wave and Quantum Hall Effect in $(\text{TMTSF})_2\text{X}$ ”
Physica B, 201, 487 (1994).
18. Y. Hasegawa, K. Machida, M. Kohmoto and V.M. Yakovenko
“Quantum Hall Effect in the Field-Induced Spin Density Wave States”
J. of Superconductivity 7, 757 (1994).
19. N. Nagaosa and M. Kohmoto
“Chern-Simons Ginzburg-Landau Theory of the Fractional Quantum Hall System with Edges”
in Correlation Effects in Low-Dimensional Electron Systems Ed. A. Okiji and N. Kawakami (Springer-Verlag, Berlin Heidelberg, 1994) p.168.
20. Y. Hatsugai, M. Kohmoto, T. Koma, and Yong-Shi Wu “Mutual Exclusion Statistics in the Exactly Solvable Model of the Mott Metal-Insulator Transition”
in Symmetry, Statistical Mechanical Models, and Applications : Proc. of Seventh Nankai Workshop (Tianjin, China; 1995) edited by M.L. Ge and F.Y. Wu (World Scientific, Singapore 1996).
21. Y. Hatsugai, M. Kohmoto, and Y.S. Wu
“Quantum Group and the Hofstadter Problem”
in Symmetry, Statistical Mechanical Models, and Applications : Proc. of Seventh Nankai Workshop (Tianjin, China; 1995) edited by M.L. Ge and F.Y. Wu (World Scientific, Singapore 1996).
22. N. Nagaosa and M. Kohmoto
“Quantum Transport and the Edge Modes in the Hierarchy Fractional Quantum Hall Liquid”
J. Kor. Phys. Soc. 29, S151 Suppl. (1996).
23. M. Kohmoto, J. Shiraishi and Y.S. Wu
“Duality of Quasiparticle Gases in the Fractional Quantum Hall Effect”
in Progress in Statistical Physics China; 1995) edited by M.L. Ge and F.Y. Wu (World Scientific, Singapore 1998) P333 Edited by W. Sung et al.
24. K. Maki, H. Won, M. Kohmoto, J. Shiraishi, Y. Morita, and G.-F. Wang
“Vortex State in Unconventional Superconductivity”
Physica C 317, 353(1999).
25. J. Goryo and M. Kohmoto
“On Berry phase in Bloch States”
Physica E 18, 335 (2003).