

## БИБЛИОГРАФИЈА

Ова библиографија представљена је онако како ју је саставио сам Марко Јарић, пред крај свог живота. Библиографија је мање-више комплетна, само је неколико радова наведених ”у припреми” објављено постхумно. Сматрамо да у оваквом облику представља историјски документ, и да је тако треба презентирати. Приметите само Маркову е-mail адресу: [marko@sharac.tamu.edu](mailto:marko@sharac.tamu.edu). Марко на Шарцу!

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Last update: 2/9/96

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## EDUCATION

- 1974 Diploma in Physics (Thesis: Thermal Denaturation of DNA). University of Belgrade, Belgrade, Yugoslavia
- 1978 Ph.D. Degree in Physics (Thesis: Group Theory and Renormalization-Group Theory of Structural Phase Transitions in A-15 Superconductors). City College of New York, USA.

## HONORS, AWARDS AND FELLOWSHIPS

- 74 October Prize, Belgrade
- 74-80 Fulbright Grantee, CCNY/UC Berkeley
- 76-78 Graduate Fellow, CCNY
- 78-80 Miller Fellow, UC Berkeley
- 81-82 Alexander von Humboldt Research Fellow, FU Berlin
- 82,83 Research Fellow of the Einstein Center for Theoretical Physics, Weizmann Institute
- 89-90 Visiting Fellow of the Nonlinear Science Institute, UC Santa Cruz

## IMPORTANT POSITIONS

- 78-80 Miller Fellow, University of California, Berkeley
- 80-82 Humboldt Fellow/Research Associate, Freie Universität Berlin, W. Germany
- 82,83 Visiting Scholar, Institute des Hautes Etudes Scientifiques, Bures-sur-Yvette, France
- 84-86 Visiting Scholar, Harvard University
- 86-90 Associate Professor, Texas A&M University

87-88 Visiting Member, ITP UC Santa Barbara  
89-90 Visiting Associate Professor, UC Santa Cruz  
90- Professor, Texas A&M University  
93- Adjunct Professor, Nikola Tesla University, Knin  
95- Adjunct Professor, UC Santa Cruz  
95- Visiting Scientist, Cornell University

## RECENT RESEARCH INTERESTS

- Phase problem and quasicrystal structure determination.
- Diffusion and transport in quasicrystals.
- Order-disorder phase transitions in quasicrystals.
- Quantum devices and quantum transport.
- Biophysics and molecular evolution.
- Photorefractive materials.

Marko V. Jaric  
**ACTIVITY SUMMARY**

Last update: 1/13/97

## FUNDING

- Structural and Material Properties of Quasicrystals, TAMU Board of Regents Advanced Materials Program, \$40,700 (9/1/87-12/31/88)
- Transport in Quasicrystals and Rough Mesostructures, TAMU Board of Regents Advanced Materials Program, \$30,700 (9/1/87-8/31/88)
- Fabrication of Next Generation Nanoelectronic Devices (with W. P. Kirk and M. H. Weichold), Texas Advanced Technology Program, \$360,000 (6/1/88-5/31/90)
- Quasicrystal Formation, Structure, and Stability, National Science Foundation, \$127,500 (8/1/89-7/31/92)
- Structure and Physical Properties of Quasicrystals, National Science Foundation, \$163,000 (1/1/93-12/31/96)

## ORGANIZATION

- Director, Mini-Workshop on Quasicrystals, Trieste (1988)
- Organizing Committee, Nanostructure Physics and Fabrication, Texas A&M University (1989)
- Advisory Committee, III International Workshop on Quasicrystals, Mexico City (1989)
- Director (with M. Ronchetti), Quasicrystals: Computation Approach, CECAM, Paris (1989)
- Director (with S. Lundqvist), Anniversary Adriatico Research Conference on Quasicrystals, Trieste (1989)
- Organizer (with F. Nori), APS Meeting: Quasicrystals Topical Group, Cincinnati (1991)
- Organizing Committee, IV International Conference on Quasicrystals, St. Louis (1992)
- Program Committee, Quasicrystals International School, Balatonfüred, Hungary (1995)

## **PUBLICATIONS**

- 97 published, 1 at press, 1 submitted, 6 in preparation
- Article in Encyclopedia of Physical Sciences and Technology (Academic Press, San Diego, 1990)
- Article in Encyclopedia of Modern Physics (Academic Press, San Diego, 1990)

## **EDITOR**

- Book series Aperiodicity and Order (Academic Press, Boston)
  - Vol. 1: Introduction to Quasicrystals (1988)
  - Vol. 2.: Introduction to the Mathematics of Quasicrystals (1989)
  - Vol. 3: Extended Icosahedral Structures (with D. Gratias) (1989)
- Quasicrystals (with S. Lundqvist) (World Scientific, Singapore, 1990)

## **CONFERENCES, WORKSHOPS, AND MEETINGS**

- 30 invited, 72 contributor, 7 participant only
- 3 invited talks by graduate students

## **SEMINARS AND COLLOQUIA**

- 137 seminars and 22 colloquia

## **CITATIONS**

- “Impossible Matter”, Technology Review 94, 19 (1991)
- “News and Views”, Nature 340, 261 (1989)
- “Physics News in 1987”, Physics Today 41, S17 (1988)
- “News and Views”, Nature 327, 19 (1987)
- Three papers reprinted in The Physics of Quasicrystals, edited by P. J. Steinhardt and S. Ostlund (World Scientific, Singapore, 1987)
- New Scientist 83, 886 (1979)
- Over 1200 citations in the period 1974-1995, according to the Science Citation Index

Marko V. Jaric  
**PUBLICATIONS**

Last update: 1/13/97

## **KEY**

IS	=	Ising Model
PL	=	Polymerization, Membranes, DNA
GT	=	Group Theory (Methods, Symmetry Breaking, Renormalization Group)
BO	=	Bond-Orientational Order
DF	=	Density Functional Theory of Freezing
15	=	A 15 Superconductors
MS	=	Magnetic Superconductors
QC	=	Quasicrystals

QT	=	Quantum Transport
PM	=	Photorefractive Materials
BP	=	Biophysics

## ARTICLES

### 1974

1. [IS] M. V. Jarić and S. Milosevic, *Ising Model and the Third Law of Thermodynamics*, Phys. Lett. A **48**, 367 (1974).
2. [PL] M. V. Jarić, *Thermal Denaturation of DNA*, (in Serbocroatian) Diploma Thesis (Belgrad University, 1974).

### 1977

3. [15] M. V. Jarić and J. L. Birman, *Group Theory of Phase Transitions in A-15 ( $O^3_{\bar{H}}Pm3n$ ) Structure*, Phys. Rev. B **16**, 2564 (1977).
4. [GT] M. V. Jarić and J. L. Birman, *New Algorithms for the Molien Function*, J. Math. Phys. **18**, 1456 (1977).
5. [GT] M. V. Jarić and J. L. Birman, *Calculations of the Molien Generating Function for Invariants of Space Groups*, J. Math. Phys. **18**, 1459 (1977).
6. [GT] M. V. Jarić and J. L. Birman, *Molien Function and Calculation of Invariant Polynomials for Space Groups*, Lec. Notes Phys. **79**, 436 (1977).

### 1978

7. [15] M. V. Jarić, *Group Theory and Renormalization Group Theory of Structural Phase Transitions in A-15 Systems*, Ph.D. Thesis (City University, New York, 1978).
8. [15] M. V. Jarić and J. L. Birman, *Renormalization Group Analysis of Structural Phase Transitions in A-15 Compounds*, Phys. Rev. B **17**, 4368 (1978).
9. [GT] M. V. Jarić, *Some Symmetry Properties of Renormalization Group Transformations*, Phys. Rev. B **18**, 2237 (1978).
10. [GT] M. V. Jarić, *Lines of Fixed Points and Physically Irreducible Representations*, Phys. Rev. B **18**, 2391 (1978).

### 1979

11. [GT] M. V. Jarić, *On the Application of Group Theory to the Renormalization Group Method*, Lec. Notes Phys. **94**, 83 (1979).
12. [15] M. V. Jarić and J. L. Birman, *Renormalization Group Theory of Structural Phase Transitions in A-15:  $Pm3n-O^3_{\bar{H}}$* , Lec. Notes Phys. **94**, 85 (1979).
13. [MS] M. V. Jarić and M. Belic, *Mean-Field Theory of Ferromagnetic Superconductors*, Phys. Rev. Lett. **42**, 1015 (1979).
14. [MS] M. V. Jarić, *Magnetism vs. Superconductivity – Molecular-Field Theory*, Phys. Rev. B **20**, 4486 (1979).

### 1980

15. [MS] M. V. Jarić, *Shape Effects in Magnetic Superconductors*, Phys. Rev. B **22**, 463 (1980)
16. [MS] M. V. Jarić, *Comment on “Electromagnetic Effects Near the Superconductor-to-Ferromagnetic Transitions”*, Phys. Rev. B **22**, 3505 (1980).
17. [GT] M. V. Jarić, *Landay Theory, Symmetry Breaking and the Chain Criterion*, Lec. Notes Phys. **135**, 12 (1980).

### 1981

18. [GT] M. V. Jarić, *Spontaneous Symmetry Breaking and the Chain Criterion*, Phys. Rev. B **23**, 3460 (1981).

### 1982

19. [GT] M. V. Jarić, *Group Theory and Phase Transition*, Physica **114** A, 550 (1982).

20. [15] M. V. Jarić, *Comment on Symmetry Changes in A-15 Structure*, Phys. Rev. B **25**, 2015 (1982).
21. [GT] M. V. Jarić, *Extrema of Landau and Higgs Polynomials and Fixed Points of Renormalization-Group Equations*, Phys. Rev. Lett. **48**, 1641 (1982).
22. [PL] M. V. Jarić and K. H. Bennemann, *Equilibrium Polymerization of Stiff Polymers*, Lec. Notes Phys. **172**, 250 (1982).

### 1983

23. [GT] M. V. Jarić, *Structural Phase Transitions in Crystals: Broken Symmetry (Isotropy) Groups*, J. Math. Phys. **24**, 2865 (1983).
24. [PL] M. V. Jarić and K. H. Bennemann, *Equilibrium Polymerization as an Ordering Transition*, Phys. Rev. A **27**, 1228 (1983).
25. [PL] P. Jensen, M. V. Jarić and K. H. Bennemann, *Strand Separation in DNA Molecules*, Phys. Rev. A **27**, 1594 (1983).
26. [GT] M. V. Jarić, *Orbit Space and Minima of Landau-Higgs Potentials*, J. Math. Phys. **24**, 917 (1983).
27. [GT] M. V. Jarić, L. Michel and R. T. Sharp, *Invariant Formulation for the Zeros of Covariant Vector Fields*, Lec. Notes Phys. **180**, 317 (1983).
28. [GT] M. V. Jarić, *Extrema of Landau and Higgs Polynomials and Zeros of Renormalization-Group Equations*, Lec. Notes Phys. **180**, 399 (1983).
29. [PL] M. V. Jarić and K. H. Bennemann, *Equilibrium Polymerization in Two Dimensions*, Phys. Lett. A **95**, 127 (1983).
30. [PL] M. V. Jarić, *Mean-Field Theory of Equilibrium Polymerization*, Phys. Rev. A **27**, 3342 (1983).
31. [PL] P. Jensen, M. V. Jarić and K. H. Bennemann, *Soliton-Like Processes During Right-Left Transition in DNA*, Phys. Lett. A **95**, 204 (1983).
32. [PL] M. V. Jarić, *Exact Correspondence Between Equilibrium Polymerization and Multi-Spin Ising Models*, Phys. Rev. A **28**, 1179 (1983).
33. [GT] M. V. Jarić, *Nonmaximal Isotropy Groups and Successive Phase Transitions*, Phys. Rev. Lett. **51**, 2073 (1983).

### 1984

34. [GT] M. V. Jarić, L. Michel and R. T. Sharp, *Zeros of Covariant Vector Fields for the Point Groups: Invariant Formulation*, J. Physique **45**, 1 (1984).
35. [GT] M. V. Jarić, *Properties of Poincare Generating Functions for Polynomial Covariants (Tensors)*, J. Math. Phys. **25**, 3363 (1984).
36. [GT] D. Mukamel and M. V. Jarić, *Phase Transitions Leading to Structures with Nonmaximal Symmetry Groups*, Phys. Rev. B **29**, 1465 (1984).
37. [GT] M. V. Jarić and M. Senechal, *Space Groups and Their Isotropy Subgroups*, J. Math. Phys. **25**, 3148 (1984).
38. [GT] M. V. Jarić, *Symmetry Breaking in Solid State and Particle Physics*, Lec. Notes Phys. **201**, 397 (1984).
39. [GT] M. V. Jarić, *Counterexamples to the Maximality Conjecture of Landau-Higgs Models*, Lec. Notes Phys. **201**, 408 (1984).
40. [GT] M. V. Jarić, *Three-Dimensional Commutative Diagram of Group Homomorphisms*, Lec. Notes Phys. **201**, 59 (1984).
41. [GT] M. V. Jarić, *How to Calculate Isotropy Subgroups of a Crystallographic Space Group*, in Group Theoretical Methods in Physics, ed. W. W. Zachary (World Scientific, Singapore, 1984) p. 377.
42. [GT] M. V. Jarić, *Poincare Functions for Finite Groups*, in Group Theoretical Methods in Physics, ed. W. W. Zachary (World Scientific, Singapore, 1984) p. 371.
43. [PL] M. V. Jarić, *Molecular Weight Scaling of Coexistence Curves for Monodisperse Polymer Solutions*, Phys. Lett. A **106**, 172 (1984).

**1985**

44. [PL] G. F. Tuthill and M. V. Jarić, *Monte Carlo Study of Polymerization on a Lattice: Two Dimensions*, Phys. Rev. B **31**, 2981 (1985).
45. [PL] M. V. Jarić and G. F. Tuthill, *Thermodynamic Polydispersity and the Flory Exponent*, Phys. Rev. Lett. **55**, 2891 (1985).
46. [QC] M. V. Jarić, *Long Range Icosahedral Orientational Order and Quasicrystals*, Phys. Rev. Lett. **55**, 607 (1985).

**1986**

47. [QC] M. V. Jarić, *Stability of Rapidly Solidified Quasicrystals, Condensed Matter Theories*, Vol. 1, ed. F.B. Malik (Plenum New York, 1986), p. 259.
48. [BO] M. V. Jarić, *Landau Theory of Long-Range Orientational Order*, Nucl. Phys. B [FS15] **265**, 647 (1986).
49. [QC] M. V. Jarić, *Diffraction from Quasicrystals: Geometric Structure Factor*, Phys. Rev. B **34**, 4685 (1986).
50. [QC] M. V. Jarić, *Diffraction from Quasicrystals: Orientational Order, Atomic Structure, and Elasticity*, J. de Phys. Colloq, **47**, C3-259 (1986).
51. [QC] M. V. Jarić, *Solidification Induced by Orientational Ordering* (APS, New York, 1986).
52. [QT] Z. Tesanovic, M. V. Jarić and S. Maekawa, *Quantum Transport and Surface Scattering*, Phys. Rev. Lett. **57**, 2760 (1986).

**1987**

53. [QC] M. V. Jarić, *Elasticity of Crystals and Quasicrystals, Condensed Matter Theories*, Vol. 2, ed. P. Vashishta, R. K. Kalia, and R. F. Bishop (Plenum, New York, 1987), p. 157.
54. [QC] M. V. Jarić and U. Mohanty, *Martensitic Instability of an Icosahedral Quasicrystals*, Phys. Rev. Lett. **58**, 230 (1987).
55. [QC] M. V. Jarić and U. Mohanty, *Jaric and Mohanty Reply*, Phys. Rev. Lett. **59**, 1170 (1987).
56. [QC] M. V. Jarić, *Group Theory and Elasticity of Quasicrystals, Group Theoretical Methods in Physics*, ed. R. Gilmore (World Scientific, Singapore, 1987), p. 288.
57. [QC] M. V. Jarić, *Phasons and Scattering from Quasicrystals*, Materials Science Forum **22-24**, 345 (1987).

**1988**

58. [DF] M. V. Jarić and U. Mohanty, *Density Functional Theory of Elastic Moduli: Hard-Sphere and Lennard-Jones Crystals*, Phys. Rev. B **37**, 4441 (1988).
59. [QC] M. V. Jarić and U. Mohanty, *Density Functional Theory of Elastic Moduli: Icosahedral Quasicrystals*, Phys. Rev. B **38**, 9434 (1988).
60. [QC] M. V. Jarić and D. R. Nelson, *Diffuse Scattering from Quasicrystals*, Phys. Rev. B **37**, 4458 (1988).
61. [DF] M. Popovic and M. V. Jarić, *Freezing of the Hard Sphere Liquid*, Phys. Rev. B. **38**, 808 (1988).
62. [QC] M. V. Jarić, *Quasicrystals: A Distanced Overview*, Lec. Notes Physics 313, 334 (1988).

**1989**

63. [QC] S. Narasimhan and M. V. Jarić, *Icosahedral Quasiperiodic Ground States?*, Phys. Rev. Lett. **62**, 454 (1989).
64. [QC] M. V. Jarić and M. Ronchetti, *Local Growth of Quasicrystals*, Phys. Rev. Lett. **62**, 1209 (1989).
65. [QC] K. J. Strandburg, L. H. Tang and M. V. Jarić, *Phason Elasticity in Entropic Quasicrystals*, Phys. Rev. Lett. **63**, 314 (1989).
66. [QC] M. V. Jarić and S. Narasimhan, *Stable Quasiperiodic Icosahedral States*, Phase Transitions **16/17**, 351 (1989).

67. [QC] S. Narasimhan and M. V. Jarić, *Narasimhan and Jaric Reply*, Phys. Rev. Lett. **63**, 2769 (1989).

#### 1990

68. [QC] M. V. Jarić, Quasicrystals, *Encyclopedia of Physical Science and Technology*, 1990 Yearbook (Academic Press, San Diego, 1990), p. 99.
69. [PL] Y. Kantor and M. V. Jarić, *Triangular Lattice Foldings – a Transfer Matrix Study*, Europhys. Lett. **11**, 157 (1990).
70. [QC] S. Y. Qiu and M. V. Jarić, *Quasicrystal Structure Determination – Al-Cu-Li*, Quasicrystals, edited by M. V. Jarić and S. Lundqvist (World Scientific, Singapore, 1990), p. 19.
71. [QC] M. Ronchetti and M. V. Jarić, *Defect Generation During Quasicrystal Growth*, Quasicrystals, edited by M. V. Jarić and S. Lundqvist (World Scientific, Singapore, 1990), p. 227.
72. [QC] L. H. Tang and M. V. Jarić, *Phason Elasticity and Surface Roughening*, Quasicrystals, edited by M. V. Jarić and S. Lundqvist (World Scientific, Singapore, 1990), p. 319.
73. [QC] M. de Boissieu, C. Janot, J. M. Dubois, M. Audier, M. V. Jarić, and B. Dubost, *About Atomic Structure of the Al-Li-Cu Icosahedral Phase*, Quasicrystals, edited by M. V. Jarić and S. Lundqvist (World Scientific, Singapore, 1990), p. 109.
74. [QC] M. V. Jarić, Quasicrystals, *Encyclopedia of Modern Physics* (Academic Press, San Diego, 1990), p. 551.
75. [QC] L. H. Tang and M. V. Jarić, *Equilibrium Quasicrystal Phase of a Penrose Tiling Model*, Phys. Rev. B **41**, 4524 (1990).
76. [QC] M. V. Jarić, *Atomic Structure of Quasicrystals* (APS, New York, 1990).
77. [QC] S. Y. Qiu and M. V. Jarić, *Atomic Structure of i(Al-Cu-Li)*, *Quasicrystals and Incommensurate Structures in Condensed Matter*, edited by M. J. Yacaman, D. Romeu, V. Castano, and A. Gomez (World Scientific, Singapore, 1990) p. 170.
78. [GT] M. V. Jarić and D. Mukamel, *Nonmaximality and Phase Transitions*, Nucl. Phys. B[FS15] **336**, 475 (1990).
79. [QC] M. V. Jarić and S. Y. Qiu, *From Crystal Approximants to Quasicrystals*, Quasicrystals, edited by T. Fujiwara and T. Ogawa (Springer, Berlin, 1990), p. 48.
80. [QC] M. Ronchetti, M. Bertagnolli, and M. V. Jarić, *Generation and Dynamics of Defects in Two-Dimensional Quasicrystals*, *Geometry and Thermodynamics*, edited by J. C. Toledo (Plenum, New York, 1990), p. 141.

#### 1991

81. [QC] M. V. Jarić and S. Y. Qiu, *Determination of Quasicrystal Structures*, *Methods of Structural Analysis of Modulated Structures and Quasicrystals*, edited by J. M. Perez-Mato, F. J. Zuniga, and G. Madriaga (World Scientific, Singapore, 1991), p. 481.
82. [QC] M. V. Jarić and L. H. Tang, *Phason Disorder in the Penrose Tiling Model*, *Methods of Structural Analysis of Modulated Structures and Quasicrystals*, edited by J. M. Perez-Mato, F. J. Zuniga, and G. Madriaga (World Scientific, Singapore, 1991), p. 609.
83. [IS] E. S. Sorensen, M. V. Jarić, and M. Ronchetti, *Ising Moedl on Penrose Lattices: Boundary Conditions*, Phys. Rev. B **44**, 9271 (1991).

#### 1992

84. [BO] M. V. Jarić, *Orientational Order and Quasicrystals*, *Bond-Orientational Order in Condensed Matter Systems*, edited by K. J. Strandburg (Springer, Berlin, 1992) pp. 284-340.
85. [QC] M. V. Jarić, *Quasicrystals: An Overview*, *Periodico di Mineralogia* **59**, 11-29 (1990).

#### 1993

86. [QC] M. V. Jarić and S. Y. Qiu, *Reconstructing the Structure Factors of the Ammann Tilings*, J. Non-Cryst. Solids **153&154**, 181 (1993).
87. [QC] S. Y. Qiu and M. V. Jarić, *On the Reconstruction of  $i(\text{Al-Cu-Li})$  X-Ray Structure Factors*, J. Non-Cryst. Solids **153&154**, 221 (1993).
88. [IS] E. S. Sorensen and M. V. Jarić *Magnetic Properties of Static and Phason-Disordered Penrose Lattices*. J. Non-Cryst. Solids **153&154**, 260 (1993).
89. [QC] M. V. Jarić and S. Y. Qiu, *On the Solution of the Phase Problem in Quasiperiodic Crystals*, Acta Cryst. A **49**, 576 (1993).
- 1994**
90. [QC] M. V. Jarić and S. Y. Qiu, *Inner-Space Reconstruction of Quasicrystal Structure Factors*, Phys. Rev. B **49**, 6614 (1994).
91. [QC] M. V. Jarić and E. S. Sorensen, *Self-Diffusion in Random-Tiling Quasicrystals*, Phys. Rev. Lett. **73**, 2464 (1994).
- 1995**
92. [QC] S. Y. Qiu and M. V. Jarić, *Atomic Structure Model of Icosahedral Al-Cu-Li*, Phys. Rev. B **52**, 894 (1995)
- 1996**
93. [PM] M. Belić, D. Timotijević, M. Petrović and M. V. Jarić, *Exact Solution to the Photorefractive Two-Wave Mixing With Arbitrary Modulation Depth*, Opt. Comm. **123**, 201-206 (1996).
94. [PM] M. Petrović, M. Belić, D. Timotijević, and M. V. Jarić, *Exact Solution to Four-Wave Mixing With Complex Couplings: Reflection Geometry*, Opt. Lett. **21**, (1996) 321- 323.
95. [QC] S. Y. Qiu, C. R. Rowell and M. V. Jarić, *Visualization and Analysis of Quasicrystal Densities*, Computers Phys. **10**, 154-173 (1996).
96. [QC] M. V. Jarić, S. L. Johnson and E. S. Sorensen, *Phason-Assisted Self-Diffusion in Random Tilings*, Quasicrystals, edited by C. Janot and R. Mosseri (World Scientific, Singapore, 1995), pp. 363-366.
97. [QC] M. V. Jarić and S. L. Johnson, *Random-Tiling Membranes and Interfaces*. Phys. Lett. A **219**, 238-242 (1996).
- at press**
98. [BP] T. Chou, M. V. Jarić and E. Siggia, *Electrostatics of Lipid Bilayer Bending*, Biophys. J. (1997).
99. [PM] M. Petrović, M. Belić, M. V. Jarić, and F. Kaiser, *Optical Photorefractive Flip-Flop Oscillator*, Optics Comm. (1997).
- in preparation**
100. [PM] P. Stojkov, M. Belić, M. Petrović, and M. V. Jarić, *Symmetries of Optical Phase Conjugation*.
101. [QT] M. V. Jarić and Y. Kantor, *“Bucket-Bridge” Directed Transport*.
102. [IS] E. S. Sorensen and M. V. Jarić, *Ising Model on Penrose Lattices: Coupling to Phasons*.
103. [QT] M. V. Jarić, Y. Kantor, and B. Sundaram, *Classical and Quantum Chaos in Stirred Electrons*.
104. [QC] M. V. Jarić and E. S. Sorensen, *Perfect-to-Random Transitions in Quasicrystals*.
105. [QC] S. L. Johnson and M. V. Jarić, *Mass Transport in Decagonal Quasicrystals and Membranes*.

## BOOKS

1. M. V. Jarić, editor, *Introduction to Quasicrystals*, (Academic Press, Boston, 1988).
2. M. V. Jarić, editor, *Introduction to the Mathematics of Quasicrystals*, (Academic Press, Boston, 1989).
3. M. V. Jarić and D. Gratias, editors, *Extended Icosahedral Structures*, (Academic Press, Boston, 1989).
4. M. V. Jarić and S. Lundqvist, editors, *Quasicrystals*, (World Scientific, Singapore, 1990).