

LIST OF PUBLICATIONS

BOOKS

- [1] The Thermodynamic Pressure in Quantum Statistical Mechanics - Springer Verlag Lecture Notes in Physics 9, (1971) 115 pages.
- [2] Operator Algebras and Quantum Statistical Mechanics Vol I (with O Bratteli) 500 pages, Springer-Verlag (1979), 2nd edition 505 pages, Springer-Verlag (1979). Russian translation of first edition (1981).
- [3] Operator Algebras and Quantum Statistical Mechanics Vol II (with O Bratteli) 501 pages, Springer-Verlag (1981), 2nd edition 517 pages, Springer-Verlag (1996).
- [4] Basic Semigroup Theory Proceedings of the Centre for Mathematical Analysis, ANU, Canberra Volume 2, (1983) 138 pages.
- [5] Elliptic Operators and Lie Groups 556 pages, Oxford University Press (1991).

RESEARCH PAPERS

- [1] Multiple Coulomb Excitations of Vibrational Nuclei Nuclear Physics 45 (1961) 459–470.
- [2] Zero-Mass Representations of the Inhomogeneous Lorentz Group Helv Phys Acta 35 (1962) 98–112.
- [3] Support of a Field in Momentum Space Helv Phys Acta 35 (1962) 403–413.
- [4] Multiple Coulomb Excitations of Deformed Nuclei Helv Phys Acta 36 (1963) 140–154.
- [5] On a Soluble Model of Relativistic Field Theory Physics Letters 9 (1964) 189–191.
- [6] A Theorem Concerning the Positive Metric Commun Math Phys 1 (1965) 89–95.
- [7] The Ground State of the Bose Gas Commun Math Phys 1 (1965) 159–174.
- [8] Conserved Currents and Associated Symmetries (with D Kastler and A Swieca) Commun Math Phys 2 (1966) 108–120.
- [9] Covariance Algebras in Field Theory (with S Doplicher and D Kastler) Commun Math Phys 3 (1966) 1–28.
- [10] Invariant States in Statistical Mechanics (with D Kastler) Commun Math Phys 3 (1966) 151–180.
- [11] Extremal Invariant States (with D Ruelle) Ann Inst Henri Poincaré 6 (1967) 299–310.
- [12] Mean Entropy of States of Classical Statistical Mechanics (with D Ruelle) Commun Math Phys 5 (1967) 288–300.
- [13] Mean Entropy of States of Quantum Statistical Mechanics (with O E Lanford) J Math Phys 9 (1968) 1120–1125.
- [14] Statistical Mechanics of Quantum Spin Systems Commun Math Phys 6 (1967) 151–160.
- [15] Asymptotic Abelian Systems (with S Doplicher, R Kadison and D Kastler) Commun Math Phys 6 (1967) 101–120.
- [16] Analyticity Properties of a Lattice Gas (with G Gallavotti and S Miracle-Sole) Physics Letter 25A (1967) 443–444.
- [17] Statistical Mechanics of Quantum Spin Systems II Commun Math Phys 7 (1968) 337–346.
- [18] Statistical Mechanics of Quantum Spin Systems III (with O E Lanford) Commun Math Phys 9 (1968) 327–338.
- [19] Analyticity Properties of the Anisotropic Heisenberg Model (with G Gallavotti and S Miracle-Sole) Commun Math Phys 10 (1968) 311–324.
- [20] Proof of the Existence of Phase Transitions in the Anisotropic Heisenberg Model Commun Math Phys 14 (1969) 196–204.
- [21] Physical States of Fermi Systems (with S Miracle-Sole) Commun Math Phys 14 (1969) 235–270.
- [22] Statistical Mechanics of Quantum Mechanical Particles with Hard Cores I (with S Miracle-Sole) Commun Math Phys 16 (1970) 290–309.
- [23] Statistical Mechanics of Quantum Mechanical Particles with Hard Cores II (with S Miracle-Sole) Commun Math Phys 19 (1970) 204–218.
- [24] Normal and Locally Normal States Commun Math Phys 19 (1970) 219–234.
- [25] Normal States and Representations of the Canonical Commutation Relations (with M Courbage and S Miracle-Sole) Ann Inst Henri Poincaré XIV (1971) 171–178.