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Autore	MAURO, Giuseppe
Titolo	Bilancia dei pagamenti e sistema monetario internazionale / Giuseppe Mauro
Pubbl/distr/stampa	Torino, : Giappichelli, 1984
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2. Record Nr.	UNINA9910453251603321
Titolo	Luttinger model : the first 50 years and some new directions // edited by Vieri Mastropietro, University of Milan, Italy, Daniel Charles Mattis, University of Utah, USA
Pubbl/distr/stampa	New Jersey : , : World Scientific, , [2014] ©2014
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CONTENTS; Preface Vieri Mastropietro; Introduction Daniel C. Mattis; Chapter I.: The Luttinger Model and Its Solution; An Exactly Soluble Model of a Many-Fermion System Joaquin M. Luttinger; I. INTRODUCTION; II. EXACT SOLUTION OF THE MODEL; III. EXPLICIT EVALUATION OF MOMENTUM DISTRIBUTION; IV. COMPARISON WITH PERTURBATION THEORY; V. RESPONSE TO EXTERNAL FIELDS; APPENDIX; ACKNOWLEDGMENTS; Exact Solution of a Many-Fermion System and Its Associated Boson Field Daniel C. Mattis and Elliott H. Lieb; I. INTRODUCTION; II. MODEL HAMILTONIAN; III. CASE OF THE FILLED DIRAC SEA IV. SOLUTIONS OF THE MODEL HAMILTONIAN V. EVALUATION OF THE MOMENTUM DISTRIBUTION; VI. DIELECTRIC CONSTANT; APPENDIX; ACKNOWLEDGMENTS; Chapter II: Lattice, Dynamical and Nonlinear Effects; Luttinger Model and Luttinger Liquids Vieri Mastropietro; 1. Introduction; 2. The Luttinger Model Exact Solution; 3. Nonsolvable Lattice Models and the Luttinger Liquid Conjecture; 4. Exact Renormalization Group Analysis; 5. Emerging Symmetries and Vanishing of Beta Function; 6. Ward Identities and Anomalies; 7. Proof of the Luttinger Liquid Relations in Nonsolvable Models; 8. Conclusions; References

The Luttinger Liquid and Integrable Models Jesko Sirker 1. Introduction; 2. Quantum Integrability; 2.1. Consequences for transport; 2.2. Consequences for thermalization in closed systems; 3. Low-Energy Description of the XXZ Model; 3.1. Irrelevant operators in the finite field case; 3.2. Irrelevant operators for zero field; 4. The Bethe Ansatz Solution; 5. Fixing Parameters of the Luttinger Model Using Integrability; 5.1. Velocity and Luttinger liquid parameter; 5.2. Coupling constants of irrelevant operators; 5.2.1. The zero field case; 5.2.2. The finite field case; 6. Applications

6.1. Impurities, Friedel oscillations and nuclear magnetic resonance 6.2. The spin-lattice relaxation rate and transport; 7. Conclusions; Acknowledgments; References; Long Time Correlations of Nonlinear Luttinger Liquids Rodrigo G. Pereira; 1. Introduction; 2. Breakdown of LL Theory by Band Curvature Effects; 3. High Energy Contributions to Time-Dependent Correlation Functions; 4. Long Time Decay at Finite Temperatures; 5. Conclusion and Outlook; Acknowledgments; References; An Expanded Luttinger Model Daniel C. Mattis; 1. Introduction; 2. Review of the (Original) Dispersionless Model 3. Neglect of Exchange Terms 4. Important Features of the Original Luttinger Model; 5. Dispersion: The New Feature; 6. Notation; 7. Equations of Motion in the Generalized Model; 8. Eigenvalue Equation at Long Wavelengths; 9. Attractive Versus Repulsive Forces; 10. Conclusion; Appendix A; References; Chapter III: Applications and Experimental Test; Quantum Hall Edge Physics and Its One-Dimensional Luttinger Liquid Description Orion Ciftja; 1. Introduction; 2. Luttinger Liquid and Bosonization; 3. Quantum Hall Effect and the Laughlin States 4. Luttinger Liquid Description of Quantum Hall Edge States

The Luttinger Model is the only model of many-fermion physics with legitimate claims to be both exactly and completely solvable. In several respects it plays the same role in many-body theory as does the 2D Ising model in statistical physics. Interest in the Luttinger model has increased steadily ever since its introduction half a century ago. The present volume starts with reprints of the seminal papers in which it was originally introduced and solved, and continues with several contributions setting out the landscape of the principal advances of the last fifty years and of prominent new dire

3. Record Nr.	UNISALENTO991001061199707536
Autore	Hill, Fredrick J.
Titolo	Logica digitale e microprocessori / Fredrick J. Hill, Gerald R. Peterson ; trad. it. di Patrizia Pennestri
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Autore	Moser, Philip
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Pubbl/distr/stampa	Cham, : Springer, 2016
Titolo uniforme	Energy-Efficient VCSELs for Optical Interconnects
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