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Titolo	Early years in machine translation [[electronic resource]] : memoirs and biographies of pioneers / / edited by W. John Hutchins
Pubbl/distr/stampa	Amsterdam ; ; Philadelphia, : J. Benjamins, 2000
ISBN	1-283-17459-6 9786613174598 90-272-8371-0
Descrizione fisica	1 online resource (411 p.)
Collana	Amsterdam studies in the theory and history of linguistic science. Series III, Studies in the history of the language sciences, , 0304-0720 ; ; v. 97
Altri autori (Persone)	HutchinsW. John <1939-> (William John)
Disciplina	418/.02/0285
Soggetti	Machine translating - History Translators Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	EARLY YEARS IN MACHINE TRANSLATION; Editorial page; Title page; Copyright page; Table of contents; PREFACE; COMMON ABBREVIATIONS; Acknowledgements; CYRILLIC TRANSLITERATION; THE FIRST DECADES OF MACHINE TRANSLATION OVERVIEW, CHRONOLOGY, SOURCES; WARREN WEAVER AND THE LAUNCHING OF MT BRIEF BIOGRAPHICAL NOTE; ERWIN REIFLER AND MACHINE TRANSLATION AT THE UNIVERSITY OF WASHINGTON; MACHINE TRANSLATION AT HARVARD; EARLY RESEARCH AT M.I.T. IN SEARCH OF ADEQUATE THEORY; THE GEORGETOWN PROJECT AND LEON DOSTERT RECOLLECTIONS OF A YOUNG ASSISTANT IS FAHQ (M) T IMPOSSIBLE? MEMORIES OF PAUL GARVIN AND OTHER MT COLLEAGUES THE EARLY DAYS OF GAT-SLC; MACHINE TRANSLATION JUST A QUESTION OF FINDING THE RIGHT PROGRAMMING LANGUAGE?; FROM SERNA TO SYSTRAN; MY EARLY YEARS IN MACHINE TRANSLATION; DAVID G. HAYS; GILBERT W. KING AND THE IBM-USAF TRANSLATOR; TRANSLATION AND THE STRUCTURE OF LANGUAGE; PIONEERING MT IN THE SOVIET UNION; MACHINE TRANSLATION AND FORMAL LINGUISTICS IN THE USSR; MY MEMOIRS OF MT IN THE SOVIET

	UNION; MT IN THE FORMER USSR AND IN THE NEWLY INDEPENDENT STATES (NIS) PREHISTORY, ROMANTIC ERA, PROSAIC TIME MACHINE TRANSLATION EARLY YEARS IN THE USSR THE BEGINNINGS OF MT; RH. RICHENS TRANSLATION IN THE NUDE; MARGARET MASTERMAN; YEHOSHUA BAR-HILLEL A PHILOSOPHER'S CONTRIBUTION TO MACHINE TRANSLATION; SILVIO CECCATO AND THE CORRELATIONAL GRAMMAR; EARLY MT IN FRANCE; BERNARD VAUQUOIS' CONTRIBUTION TO THE THEORY AND PRACTICE OF BUILDING MT SYSTEMS A HISTORICAL PERSPECTIVE; PIONEER WORK IN MACHINE TRANSLATION IN CZECHOSLOVAKIA; ALEXANDER LJUDSKANOV; MEMOIRS OF A SURVIVOR; INDEX OF NAMES; INDEX OF SUBJECTS
Sommario/riassunto	Machine translation (MT) was one of the first non-numerical applications of the computer in the 1950's and 1960's. With limited equipment and programming tools, researchers from a wide range of disciplines (electronics, linguistics, mathematics, engineering, etc.) tackled the unknown problems of language analysis and processing, investigated original and innovative methods and techniques, and laid the foundations not just of current MT systems and computerized tools for translators but also of natural language processing in general. This volume contains contributions by or about the major MT

2. Record Nr. UNINA9910782499303321

Autore	Das Ashok <1953->
Titolo	Field theory [[electronic resource]] : a path integral approach / / Ashok Das
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ISBN	1-281-92465-2 9786611924652 981-277-326-6
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (377 p.)
Collana	World Scientific lecture notes in physics ; ; v. 75
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Nota di contenuto	Preface to the First Edition; Preface to the Second Edition; Contents; 1. Introduction; 1.1 Particles and Fields; 1.2 Metric and Other Notations; 1.3 Functionals; 1.4 Review of Quantum Mechanics; 1.5 References; 2. Path Integrals and Quantum Mechanics; 2.1 Basis States; 2.2 Operator Ordering; 2.3 The Classical Limit; 2.4 Equivalence with the Schrodinger Equation; 2.5 Free Particle; 2.6 References; 3. Harmonic Oscillator; 3.1 Path Integral for the Harmonic Oscillator; 3.2 Method of Fourier Transform; 3.3 Matrix Method; 3.4 The Classical Action; 3.5 References; 4. Generating Functional 4.1 Euclidean Rotation4.2 Time Ordered Correlation Functions; 4.3 Correlation Functions in Definite States; 4.4 Vacuum Functional; 4.5 Anharmonic Oscillator; 4.6 References; 5. Path Integrals for Fermions; 5.1 Fermionic Oscillator; 5.2 Grassmann Variables; 5.3 Generating Functional; 5.4 Feynman Propagator; 5.5 The Fermion Determinant; 5.6 References; 6. Supersymmetry; 6.1 Supersymmetric Oscillator; 6.2 Supersymmetric Quantum Mechanics; 6.3 Shape Invariance; 6.4 Example; 6.5 Supersymmetry and Singular Potentials; 6.6 References; 7. Semi-Classical Methods; 7.1 WKB Approximation

7.2 Saddle Point Method7.3 Semi-Classical Methods in Path Integrals; 7.4 Double Well Potential; 7.5 References; 8. Path Integral for the Double Well; 8.1 Instantons; 8.2 Zero Modes; 8.3 The Instanton Integral; 8.4 Evaluating the Determinant; 8.5 Multi-Instanton Contributions; 8.6 References; 9. Path Integral for Relativistic Theories; 9.1 Systems with Many Degrees of Freedom; 9.2 Relativistic Scalar Field Theory; 9.3 Feynman Rules; 9.4 Connected Diagrams; 9.5 References; 10. Effective Action; 10.1 The Classical Field; 10.2 Effective Action; 10.3 Loop Expansion
10.4 Effective Potential at One Loop10.5 References; 11. Invariances and Their Consequences; 11.1 Symmetries of the Action; 11.2 Noether's Theorem; 11.3 Complex Scalar Field; 11.4 Ward Identities; 11.5 Spontaneous Symmetry Breaking; 11.6 Goldstone Theorem; 11.7 References; 12. Gauge Theories; 12.1 Maxwell Theory; 12.2 Non-Abelian Gauge Theory; 12.3 Path Integral for Gauge Theories; 12.4 BRST Invariance; 12.5 Ward Identities; 12.6 References; 13. Anomalies; 13.1 Anomalous Ward Identity; 13.2 Schwinger Model; 13.3 References; 14. Systems at Finite Temperature; 14.1 Statistical Mechanics
14.2 Critical Exponents14.3 Harmonic Oscillator; 14.4 Fermionic Oscillator; 14.5 References; 15. Ising Model; 15.1 One Dimensional Ising Model; 15.2 The Partition Function; 15.3 Two Dimensional Ising Model; 15.4 Duality; 15.5 High and Low Temperature Expansions; 15.6 Quantum Mechanical Model; 15.7 Duality in the Quantum System; 15.8 References; Index

Sommario/riassunto

This unique book describes quantum field theory completely within the context of path integrals. With its utility in a variety of fields in physics, the subject matter is primarily developed within the context of quantum mechanics before going into specialized areas.Adding new material keenly requested by readers, this second edition is an important expansion of the popular first edition. Two extra chapters cover path integral quantization of gauge theories and anomalies, and a new section extends the supersymmetry chapter, where singular potentials in supersymmetric systems are described.