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Collana	Wiley series in pure and applied optics
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Optical Shop Testing; Contents; Preface; Contributors; Chapter 1. Newton, Fizeau, and Haidinger Interferometers; 1.1. Introduction; 1.2. Newton Interferometer; 1.2.1. Source and Observer's Pupil Size Considerations; 1.2.2. Some Suitable Light Sources; 1.2.3. Materials for the Optical Flats; 1.2.4. Simple Procedure for Estimating Peak Error; 1.2.5. Measurement of Spherical Surfaces; 1.2.6. Measurement of Aspheric Surfaces; 1.2.7. Measurement of Flatness of Opaque Surfaces; 1.3. Fizeau Interferometer; 1.3.1. The Basic Fizeau Interferometer; 1.3.2. Coherence Requirements for the Light Source 1.3.3. Quality of Collimation Lens Required 1.3.4. Liquid Reference Flats; 1.3.5. Fizeau Interferometer with Laser Source; 1.3.6. Multiple-Beam Fizeau Setup; 1.3.7. Testing Nearly Parallel Plates; 1.3.8. Testing the Inhomogeneity of Large Glass or Fused Quartz Samples; 1.3.9. Testing the Parallelism and Flatness of the Faces of Rods, Bars and Plates; 1.3.10. Testing Cube Corner and Right-Angle Prisms; 1.3.11.

Fizeau Interferometer for Curved Surfaces; 1.3.12. Testing Concave and Convex Surfaces; 1.4. Haidinger Interferometer; 1.4.1. Applications of Haidinger Fringes
1.4.2. Use of Laser Source for Haidinger Interferometer 1.4.3. Other Applications of Haidinger Fringes; 1.5. Absolute Testing of Flats; Chapter 2. Twyman-Green Interferometer; 2.1. Introduction; 2.2. Beam-Splitter; 2.2.1. Optical Path Difference Introduced by the Beam Splitter Plate; 2.2.2. Required Accuracy in the Beam Splitter Plate; 2.2.3. Polarizing Cube Beam Splitter; 2.2.4. Nonpolarizing Cube Beam Splitter; 2.3. Coherence Requirements; 2.3.1. Spatial Coherence; 2.3.2. Temporal Coherence; 2.4. Uses of a Twyman-Green Interferometer; 2.4.1. Testing of Prisms and Diffraction Rulings
2.4.2. Testing of Lenses 2.4.3. Testing of Microscope Objectives; 2.5. Compensation of Intrinsic Aberrations in the Interferometer; 2.6. Unequal-Path Interferometer; 2.6.1. Some Special Designs; 2.6.2. Improving the Fringe Stability; 2.7. Open Path Interferometers; 2.7.1. Mach-Zehnder Interferometers; 2.7.2. Oblique Incidence Interferometers; 2.8. Variations from the Twyman-Green Configuration; 2.8.1. Multiple Image Interferometers; 2.8.2. Interferometers with Diffractive Beam Splitters; 2.8.3. Phase Conjugating Interferometer; 2.9. Twyman-Green Interferograms and their Analysis
2.9.1. Analysis of Interferograms of Arbitrary Wavefronts Chapter 3. Common-Path Interferometers; 3.1. Introduction; 3.2. Burch's Interferometer Employing Two Matched Scatter Plates; 3.2.1. Fresnel Zone Plate Interferometer; 3.2.2. Burch and Fresnel Zone Plate Interferometers for Aspheric Surfaces; 3.2.3. Burch and Fresnel Zone Plate Interferometers for Phase Shifting; 3.3. Birefringent Beam Splitters; 3.3.1. Savart Polariscopes; 3.3.2. Wollaston Prism; 3.3.3. Double-Focus Systems; 3.4. Lateral Shearing Interferometers; 3.4.1. Use of a Savart Polariscopes; 3.4.2. Use of a Wollaston Prism
3.5. Double-Focus Interferometer

Sommario/riassunto

The purpose of this third edition is to bring together in a single book descriptions of all tests carried out in the optical shop that are applicable to optical components and systems. This book is intended for the specialist as well as the non-specialist engaged in optical shop testing. There is currently a great deal of research being done in optical engineering. Making this new edition very timely.

2. Record Nr.	UNINA9910824246203321
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Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	Cover -- Title page -- Copyright page -- Contents -- Notes on Contributors -- Introduction: Life and Work -- Life, Early Career, and the First Phrase of Davidson's Work through 1969 -- Second Phrase of Davidson's Work, 1970-1981 -- Third Phase of Davidson's Work from the 1980s On -- Organization and Contents of the Volume -- Bibliography -- Part I: Action Theory -- 1. Action Explanation -- 1. Introduction -- 2. Actions and Their Rationalization -- 3. Davidson's Challenge and the Problem of Wayward Causal Chains -- 4. The Logical Connection Argument -- 5. Reasons as Causes? -- 6. The Role of Laws in Action Explanations and the Causal Relevance of Mental Properties -- 7. Singular Causal Statements and Causal Explanations -- 8. Strict Laws, Generalizations, and Causal Concepts -- 9. Causal Powers -- 10. Propositional Attitudes as Causal Powers -- 11. The Explanatory Value of Action Explanations -- Acknowledgements -- References -- 2:

Practical Reason -- 1. Three Degrees of Complexity -- 2. The Partitioned Model -- 3. Davidson's View -- 4. Final Thoughts: Why Not Partition? -- References -- 3: Action Individuation -- 1. Modifiers and Multiple Things Done -- 2. Primitive Actions -- 3. The Competition: Actions as Fine Grained -- 4. Preliminary Objections -- 5. "By," Cause, and Time -- 6. Deeper Problems -- 7. Actions as Extended Processes -- Conclusion -- References -- 4: Freedom to Act -- 1. Introduction -- 2. Davidson's Interest in His Work on Freedom -- 3. Davidson's Project and Its Relationship to Moore and Austin -- 4. Methodological Problems for Conditional Analyses -- 5. The Analysis of Freedom to Act and Abilities to Do x -- 6. Subjective Conditions and the Thinness of Davidson's Analysis -- 7. Concluding Discussion: The Challenge for a Causal Theory of Action -- References -- 5: Intention -- 1. The Initial Account -- 2. Agency.

3. Weakness of Will -- 4. Intending -- References -- Part II: Metaphysics -- 6: Event Variables and Their Values -- 1. Quantifying over Events -- 1.1. Implications and logical form -- 1.2. Adverb reduction as conjunction reduction -- 1.3. Enough but not too many -- 2. Events to Quantify Over -- 2.1. Ordering participants -- 2.2. Timing -- 2.3. Intentions -- 2.4. Perspectives and direct objects -- 3. Logical Form and Grammatical Form -- 3.1. Thematic decomposition -- 3.2. Grades of decomposition -- 3.3. Thematic separation -- 3.4. Conclusion -- References -- 7: Causation -- 1. Actions, Reasons, and Causes -- 2. Mental Causes -- 3. Difficulties With This Account -- 4. Another Look at Davidson -- 5. Causation and Mental Causation -- 6. Concluding Remarks -- References -- 8: Davidson's "Method of Truth" in Metaphysics -- References -- 9: The Concept of Truth -- 1. Tarski, Truth, and Meaning -- 2. Satisfaction and Correspondence -- 3. Radical Interpretation and Coherence -- 4. Defining Truth and Deflationism -- 5. Objectivity and Truth -- References -- Part III: Philosophy of Language -- 10: Truth in the Theory of Meaning -- 1. Introduction -- 2. Compositionality -- 3. Criticism of Traditional Approaches -- 4. The Positive Proposal -- 5. Problematic Passages? -- 6. Later Work -- 7. Conclusion -- References -- 11: Parataxis -- 1. Indirect Discourse -- 1.1 Samesaying -- 1.2 Virtues of the paratactic account -- 1.3 Some problems for the paratactic account of indirect speech reports -- 2 Mood and Mood-Setting -- 3. Quotation -- 4. A Parting Shot -- References -- 12: Logical Form -- 1. The Idea of Logical Form and Its Philosophical Significance -- 2. Constraints on Accounts of Logical Form -- 3. Davidson's Account of Logical Form -- 4. Criticisms -- Acknowledgment -- References -- 13: Radical Interpretation and the Principle of Charity.

1. What Is Radical Interpretation? -- 2. The Role of Radical Interpretation for Meaning Theory -- 3. The Principle of Charity -- 4. The Power of Charity -- 5. The Justification of Charity -- References -- 14: Davidson's Measurement-Theoretic Analogy -- 1. Introduction -- 2. Radical Interpretation and Indeterminacy -- 3. The Inscrutability of Reference -- 4. The General Case -- 5. Instrumentalism or Realism? -- References -- 15: Reference -- 1. Reference in T-Theories -- 1.1. Fitting an infinite capacity in a finite head -- 1.2. Conditions under which reference is required -- 2. The Inscrutability of Reference -- 2.1. Twisted T-theories -- 2.2. The grain of the data -- 2.3. Simplicity -- 2.4. The formulation of inscrutability: relativizations -- 3. Explanations and Reference -- 3.1. Reference-invoking explanations -- 3.2. Explanations involving beliefs about reference? -- References -- 16: Language and Thought -- 1. Davidson's View and Two Others -- 2. Davidson and the View that Thought Precedes Language -- 3. Conclusion -- Acknowledgments -- References -- 17: Conceptual

Schemes -- References -- 18: Interpretation and Value -- Interpretation and Value -- 1. The Interpretation Argument -- 2. The Application to Desires and Normative Beliefs -- 3. The Application to Values and Normative Truths -- 4. The Triangulation Argument -- References -- 19: Predication -- References -- 20: Convention and Meaning -- 1. Introduction -- 2. The Public Nature of Meaning -- 3. Semantics and Ulterior Purposes -- 4. Word Meaning and Speaker Meaning -- 5. Is There Such a Thing as a Language? -- 6. Radically Interpreting Mrs. Malaprop -- References -- 21: Metaphor and Varieties of Meaning -- Davidson on Metaphor -- 1. "What Metaphors Mean" -- 2. "A Nice Derangement of Metaphors" -- 3. Evaluating a Hybrid Davidsonian View of Metaphor -- Acknowledgment -- References.

22: Davidson and Literary Theory -- Davidson and Literary Theory -- 1. Locating Literary Language -- 1.1. Intention and language -- 1.2. The role of reference in "storytelling" -- 1.3. Triangulation in literary interpretation -- 2. Convention -- 2.1 Metaphor and figuration -- 3. Davidson's Influence on Literary Theory -- 3.1. Intentionalism and anticonventionalism -- 3.2. Metaphor -- 4. Texts -- 5. Sketch of a Davidsonian Account of Texts -- References -- Part IV: Philosophy of Mind -- 23: The Larger Philosophical Significance of Holism -- The Larger Philosophical Significance of Holism -- 1. Holism and Charity Defended -- 2. How to Formulate Relativism -- 3. The Davidsonian Strategy Against Relativism -- 4. Two Further Issues -- 4.1. Incommensurability in science -- 4.2. Reenvisioning Quine's metaphor of the web of belief -- 24: Anomalous Monism -- 1. Three Principles -- 2. Event Individuation -- 3. An Argument for Monism -- 4. Strict Laws -- 5. Anomalism -- 6. Irreducibility -- 7. Supervenience -- 8. Mental Causation -- References -- 25: Triangular Externalism -- 1. Outlines of Triangular Externalism -- 2. Externalism, Interpretation, and Holism -- 3. Davidson on Other Forms of Externalism -- 4. Triangulation and the Determination of Thought Content -- 5. Triangulation and the Objectivity of Thought -- References -- 26: Triangulation -- 1. Introduction -- 2. The Triangulation Argument -- 2.1. Primitive triangulation -- 2.2. Linguistic triangulation -- 3. Objections to the Triangulation Argument -- 3.1. Fixing meanings does not require triangulation -- 3.2. Possessing the concept of objective truth does not require linguistic triangulation -- 3.3. Possession of a language and thoughts does not require possession of the concept of objective truth -- 3.4. The account of what makes language and thought possible is circular -- 4. Conclusion -- References.

27: Rationality as a Constitutive Ideal -- 1. Kant, Carnap, and Quine -- 2. Davidsonian Interpretation Theory -- 3. Charity as a Constraint on Interpretation -- 4. Realism, Instrumentalism, and Eliminativism -- 5. Cognitive Science and Radical Interpretation -- 6. Representation and Rationality in Nonlinguistic Creatures -- 7. Davidson's Contributions to the Study of Rationality -- References -- 28: Irrationality -- References -- 29: The Rationality of the Emotions -- 1. Introduction -- 2. Emotions and Cognition -- 3. Emotions and their Causes -- 4. Objections -- 5. Privileged Access to Emotions -- 6. Emotions and Irrationality -- 7. Animal Affects -- Acknowledgments -- References -- Part V: Epistemology -- 30: Davidson and Radical Skepticism -- 1. Introduction -- 2. Davidson on Radical Interpretation and the Principle of Charity -- 3. Davidson's Route to Antiskepticism I: The Omniscient Interpreter -- 4. Davidson's Route to Antiskepticism II: Triangulation and Content Externalism -- 5. Contra Davidson's Transcendental Antiskepticism -- Acknowledgments -- References -- 31: First-Person Authority -- 1. The Phenomenon of First-Person Authority -- 1.1.

Davidson's critique of other accounts of self-knowledge -- 2.
Davidson's Explanation of First-Person Authority -- 2.1. The general strategy -- 2.2. Knowledge of meaning: Disquotation -- 2.3.
Knowledge of meaning: The determination of meaning -- 2.4. What Davidson's account does not explain -- 2.5. Davidson's dissatisfaction with his account -- 3. First-Person Authority and Semantic Externalism -- References -- 32: Knowledge of Other Minds in Davidson's Philosophy -- 1. The Measure of All Things -- 2. Understanding Others -- References -- Part VI: Influences and Influence -- 33: Quine and Davidson -- 1. Logical Pragmatism -- 2. Naturalism -- 3. Language, Meaning, and Use -- 4. Truth.
5. Meaning and Radical Interpretation.

Sommario/riassunto

A Companion to Donald Davidson presents newly commissioned essays by leading figures within contemporary philosophy. Taken together, they provide a comprehensive overview of Davidson's work across its full range, and an assessment of his many contributions to philosophy. Highlights the breadth of Davidson's work across philosophy Demonstrates the continuing influence his work has on the philosophical community Includes newly commissioned contributions from leading figures in contemporary philosophy Provides an in-depth exposition and analysis of Davidson's work across the range of areas to which he contributed, including philosophy of action, epistemology, metaphysics, philosophy of language, and philosophy of mind.
