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Collana	Wiley series in pure and applied optics
Altri autori (Persone)	MalacaraDaniel <1937->
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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 Required1.3.4. 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
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 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:

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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.
