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Nota di contenuto	Contents; 1 SURVEY OF SOLAR EQUIPMENT AND APPLICATIONS; 2 SOLAR GEOMETRY; 3 INSOLATION DATA AND MODELS; 4 COLLECTOR EFFICIENCY AND COLLECTOR TESTING; 5 FUNDAMENTALS OF OPTICS FOR SOLAR COLLECTIONS; 6 OPTICS OF NONTRACKING COLLECTORS; 7 TRACKING CONCENTRATOR TYPES; 8 OPTICAL ANALYSIS AND OPTIMIZATION OF PARABOLIC REFLECTORS; 9 HEAT TRANSFER IN SOLAR COLLECTORS; 10 HEAT TRANSFER FACTORS; 11 SYSTEM MODELS; 12 APPLICATIONS; 13 PRACTICAL CONSIDERATIONS; 14 ECONOMIC ANALYSIS; 15 SYSTEM OPTIMIZATION; Appendix A: Nomenclature; Appendix B: Units; Appendix C: Properties of Materials; Appendix D: Meteorological Data Appendix E: Circumsolar Data; Index; Subject Index
Sommario/riassunto	Provides a survey of solar geometry and meteorological data, the optics of various kinds of solar collectors, the mechanics of heat transfer, and private elements of system design, optimization, and economic analysis. Also discussed are testing, methods and materials, and tracking and nontracking collectors.