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Nota di bibliografia	Includes bibliographical references (p. 355-357) and index.
Nota di contenuto	Foreword; Preface; Contents; Tensor Analysis; Applications in Mechanics; Appendix A Formulary; Appendix B Hints and Answers; Bibliography; Index
Sommario/riassunto	The tensorial nature of a quantity permits us to formulate transformation rules for its components under a change of basis. These rules are relatively simple and easily grasped by any engineering student familiar with matrix operators in linear algebra. More complex problems arise when one considers the tensor fields that describe continuum bodies. In this case general curvilinear coordinates become necessary. The principal basis of a curvilinear system is constructed as a set of vectors tangent to the coordinate lines. Another basis, called the dual basis, is also constructed in a special man