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Titolo	Geometric Procedures for Civil Engineers // by Elias C. Tonias, Constantine N. Tonias
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ISBN	3-319-24295-4
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (445 p.)
Disciplina	624
Soggetti	Algebraic geometry Buildings—Design and construction Building Construction Engineering, Architectural Applied mathematics Engineering mathematics Algebraic Geometry Building Construction and Design Mathematical and Computational Engineering
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 index.
Nota di contenuto	Historic Synopsis -- Basic Geometric Features -- Support Procedures -- Point and Line Features -- Curve Features -- Intersections -- Tangencies -- Compound and Reversed Curves -- Spiral Transition Curves -- Special Constructions -- Vertical Parabolic Curves -- Elliptic Features -- Appendix A Resection Problems -- Appendix B Line and Curve Fitting -- Appendix C Tangent Circle to Three Circles -- Acknowledgments -- Bibliography -- Index. .
Sommario/riassunto	This book provides a multitude of geometric constructions usually encountered in civil engineering and surveying practice. A detailed geometric solution is provided to each construction as well as a step-by-step set of programming instructions for incorporation into a computing system. The volume is comprised of 12 chapters and appendices that may be grouped in three major parts: the first is

intended for those who love geometry for its own sake and its evolution through the ages, in general, and, more specifically, with the introduction of the computer. The second section addresses geometric features used in the book and provides support procedures used by the constructions presented. The remaining chapters and the appendices contain the various constructions. The volume is ideal for engineering practitioners in civil and construction engineering and allied areas.
