

AutoCAD® Civil 3D® 2013 Essentials



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Mastering AutoCAD Civil 3D 2013 Louisa Holland, Kati Mercier, 2012-07-18 A complete tutorial and reference for AutoCAD Civil 3D 2013 Autodesk's Civil 3D is the leading civil engineering software and this reliable training guide has been thoroughly revised and updated to offer a fresh perspective on this powerful engineering package Filled with illustrative examples new datasets and new tutorials this book shows how elements of the dynamic engineering program work together and discusses the best methods for creating editing displaying and labeling all of a civil engineering project's elements The book's straightforward explanations real world examples and practical tutorials focus squarely on teaching vital Civil 3D tips tricks and techniques The authors' extensive real world experience and Civil 3D expertise allows them to focus on how the software is used in real world professional environments and present topics and techniques that are not documented elsewhere Offers an overview of key concepts and the software's interface Discusses the best methods for creating editing displaying and labeling all of a civil engineering project's elements Features in depth detailed coverage of surveying points alignments surfaces profiles corridors grading LandXML and LDT Project Transfer cross sections pipe networks visualization sheets and project management as well as Vault and data shortcuts Offers help for the Civil 3D Certified Associate and Certified Professional exams This book is the only complete detailed reference and tutorial for Autodesk's extremely popular and robust civil engineering software

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Digital Geoarchaeology Christoph Siart, Markus Forbriger, Olaf Bubenzer, 2017-12-03 This book focusses on new technologies and multi method research designs in the field of modern archaeology which increasingly crosses academic boundaries to investigate past human environmental relationships and to reconstruct palaeolandscapes It aims at establishing the concept of Digital Geoarchaeology as a novel approach of interdisciplinary collaboration situated at the scientific interface between classical studies geosciences and computer sciences Among others the book includes topics such as geographic information systems spatiotemporal analysis remote sensing applications laser scanning digital elevation models geophysical prospecting data fusion and 3D visualisation categorized in four major sections Each section is introduced by a general thematic overview and followed by case studies which vividly illustrate the broad spectrum of potential applications and new research designs Mutual fields of work and common technologies are identified and discussed from different scholarly perspectives By stimulating knowledge transfer and fostering interdisciplinary collaboration Digital Geoarchaeology helps generate valuable synergies and contributes to a better understanding of ancient landscapes along with their forming processes Chapters 1 2 6 8 and 14 are published open access under a CC BY 4.0 license at link.springer.com

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