This book provides a practical guide to preparing digital elevation models (DEM) for analysis and extracting land-surface parameters and objects from DEMs through a variety of software. It offers detailed instructions on applying parameters and objects in soil, agricultural, environmental and earth sciences. This manual of state-of-the-art methods serves the various researchers who use geomorphometry to further understand the complexities of soil.

KEY FEATURES
* Incorporates technical details on a variety of software packages, allowing researchers to solve real-life mapping issues
* Provides soil and agronomy researchers best practice techniques for soil data analysis to assist in enhanced land-use and planning
* Offers geologists essential tactics for better environmental management by providing a comprehensive analysis of the physical features of soil
* Includes a Companion Website with access to the latest technological advancements previously unpublished in any other comprehensive source: geomorphometry software, DEM data sources, and applications

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BRIEF CONTENTS
Hengl & Reuter, Geomorphometry: Concepts, Software, Applications

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DEM production methods and sources
Preparation of DEMs for geomorphometric analysis
Geostatistical simulation and error propagation in geomorphometry
Basic land-surface parameters
Land-surface parameters and objects in hydrology
Land-surface parameters specific to topo-climatology
Landforms and landform elements in geomorphometry
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