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Titolo	MATLAB® recipes for earth sciences // Martin H. Trauth
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ISBN	3-030-38441-1
Edizione	[Fifth edition.]
Descrizione fisica	1 online resource (XII, 517 p. 142 illus., 122 illus. in color.)
Collana	Springer textbooks in earth sciences, geography and environment
Disciplina	550.151
Soggetti	Earth sciences - Mathematics Earth sciences - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Data Analysis in Earth Sciences -- Introduction to MATLAB -- Univariate Statistics -- Bivariate Statistics -- Time-Series Analysis -- Signal Processing -- Spatial Data -- Image Processing -- Multivariate Statistics -- Statistics on Directional Data.
Sommario/riassunto	MATLAB® is used in a wide range of geoscientific applications, e.g. for image processing in remote sensing, for creating and processing digital elevation models, and for analyzing time series. This book introduces readers to MATLAB-based data analysis methods used in the geosciences, including basic statistics for univariate, bivariate and multivariate datasets, time-series analysis, signal processing, the analysis of spatial and directional data, and image analysis. The revised and updated Fifth Edition includes seven new sections, and the majority of the chapters have been rewritten and significantly expanded. New sections include error analysis, the problem of classical linear regression of log-transformed data, aligning stratigraphic sequences, the Normalized Difference Vegetation Index, Aitchison's log-ratio transformation, graphical representation of spherical data, and statistics of spherical data. The book also includes numerous examples demonstrating how MATLAB can be used on datasets from the earth sciences. The supplementary electronic material (available online through SpringerLink) contains recipes that include all the MATLAB commands featured in the book and the sample data.

2. Record Nr.	UNIORUON00395522
Autore	POPLAVSKIJ, Boris
Titolo	Flagi / Boris Poplavskij ; Pod redakcij Semena Karlinskogo i Antoni Olkotta
Pubbl/distr/stampa	Berkeley, : Slavic Specialties, 1980
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Livello bibliografico	Monografia