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Autore	Caravetta, Armando
Titolo	Dispense di idraulica / Armando Caravetta, Riccardo Martino
Pubbl/distr/stampa	Napoli, : Fridericiana Editrice Universitaria, 2013
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Altri autori (Persone)	Martino, Riccardo
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2. Record Nr.	UNINA9910583469103321
Autore	Zhdanov Michael S
Titolo	Foundations of Geophysical Electromagnetic Theory and Methods
Pubbl/distr/stampa	Saint Louis : , : Elsevier, , 2017 ©2018
ISBN	9780444638908 0444638903
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Descrizione fisica	1 online resource (806 pages)
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Soggetti	Magnetic prospecting Electromagnetic measurements
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Nota di contenuto	Introduction to field theory. Differential calculus of vector fields and differential forms -- Foundations of field theory -- Foundations of electromagnetic theory. Electromagnetic field equations -- Models of electromagnetic induction in the earth -- Electromagnetic fields in horizontally stratified media -- Electromagnetic fields in inhomogeneous media -- Inversion and imaging of electromagnetic field data. Principles of ill-posed inverse problem solution -- Electromagnetic inversion -- Electromagnetic migration -- Geophysical electromagnetic methods. Electromagnetic properties of rocks and minerals -- Generation and measurement of electromagnetic fields in geophysical applications -- Direct current and induced polarization methods -- Magnetotelluric and magnetovariational methods -- Electromagnetic methods in the frequency and time domains -- Marine electromagnetic methods -- Airborne electromagnetic methods -- Case histories -- Appendix A. Algebra of differential forms -- Appendix B. Calculus of differential forms -- Appendix C. Linear operators and their matrices -- Appendix D. Mathematical notations -- Appendix E. Definition of fields and units.
Sommario/riassunto	Foundations of Geophysical Electromagnetic Theory and Methods, Second Edition, builds on the strength of the first edition to offer a systematic exposition of geophysical electromagnetic theory and

methods.
