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Descrizione fisica	1 online resource (xviii, 699 pages) : illustrations (some color), map
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Nota di contenuto	Introduction to multishooting : challenges and rewards -- Decoding of linear instantaneous mixtures -- Decoding of linear convolutive mixtures -- Decoding of underdetermined mixtures -- Decoding of nonlinear mixtures -- Imaging of multishot data without decoding -- A. Some background on sparsity optimization -- B. ICA decomposition -- C. Nonnegative matrix factorization -- D. Nonnegative tensor factorization -- E. A review of 3D finite-difference modeling.
Sommario/riassunto	"Coding and decoding seismic data : the concept of multishooting, second edition, offers a thorough investigation of modern techniques for collecting, simulating, and processing multishooting data. Currently, the acquisition of seismic surveys is performed as a sequential operation in which shots are computed separately, one after the other. The cost of performing various shots simultaneously is almost identical to that of one shot; thus, the benefits of using the multishooting approach for computing seismic surveys are enormous. By using this approach, the longstanding problem of simulating a three-dimensional seismic survey can be reduced to a matter of weeks. Providing both theoretical and practical explanations of the multishooting approach, including case histories, this book is an essential resource for exploration geophysicists and practicing

seismologists"--Back cover.