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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Basics of seismic inversion -- Linear systems for inversion -- Least-squares solutions -- Singular value analysis -- Gradient-based methods -- Regularisation -- Localised average solutions -- Seismic wavelet estimation -- Seismic reflectivity inversion -- Seismic ray-impedance inversion -- Seismic tomography based on ray theory -- Waveform tomography for the velocity model -- Waveform tomography with irregular topography -- Waveform tomography for seismic impedance -- Appendices.