

<<Progress in Geophysi>>

图书基本信息

书名：<<Progress in Geophysics and Information Technology地球物理与信息技术研究进展>>

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内容概要

《Progress in Geophysics and Information Technology》 is Written by the Xiao Lizhi , as follows : incorporates the main achievements in geophysical exploration, geophysical well logging, computer science and technology, electronic engineering and automation by people at the College of Geophysics and Information Engineering (GIE) , China University of Petroleum (Beijing) in the past five years (2006- 2010) .

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书籍目录

Geophysical Exploration Physical modelling studies of 3 - D P- wave seismic for fracture detection Reservoir fluid substitution effects on seismic profile interpretation: a physical modeling experiment C Time- lapse seismic reservoir monitoring technology in China Reconstruction from antenna- transformed radar data using a time- domain reconstruction method A breast imaging model using microwaves and a time domain three dimensional reconstruction method Effect of regularization parameters on geophysical reconstruction Analysis of complicated structure seismic wave fields Pure S - waves in land P - wave source VSP data Propagation characteristics of converted refracted wave and its application in static correction of converted wave Anisotropic converted wave amplitude- preserving prestack time migration by the pseudo - offset method A new time space domain high- order finite - difference method for the acoustic wave equation A practical implicit finite- difference method, examples from seismic modelling Acoustic impedance inversion of zero - offset VSP data An implicit staggered - grid finite - difference method for seismic modelling Estimation of Q and inverse Q filtering for prestack reflected PP - wave and converted PS - waves A hybrid scheme for absorbing edge reflections in numerical modeling of wave propagation Acoustic VTI modeling with a time- space domain dispersion- relation - based finite- difference scheme A seismic modeling analysis of wide and narrow 3D observation systems for channel sand bodies Application of 2.5D cross - hole electromagnetic inversion to the field data acquired in Gudao oil field, east China Effects of fracture scale length and aperture on seismic properties: an experimental study A physical model study of effect of fracture aperture on seismic wave Experimental study on the effect of fracture scale on seismic wave characteristics Application of neural network in seismic inversion under well logging restraint The multi- scaled morphology apply to denoise of the seismic data Tomography in frequency domain using wave equation Seismic reflection characteristics of fluvial sand and shale thin interbedded layers Effects of near surface absorption on the reflection characteristics of continental interbedded strata: take Dagang oilfield as an example Modeling air gun signatures in marine seismic exploration considering multiple physical factors Characteristics of fluid substitution in porous rocks Optimized non- hyperbolic stack imaging based on interpretation model Enhancing the resolution of seismic data based on the generalized S- transform Radar polarimetry analysis applied to single - hole fully polarimetric borehole radar Consistency analysis of subsurface fracture characterization using different polarimetry techniques by a borehole radar Experimental implementation and assessment of two polarimetric calibration approaches applied for a fully polarimetric borehole radar A fully polarimetric borehole radar based numerical modelling, fully polarimetric response to synthetic fractures and "fluid substitution" Purposeless repeated acquisition time- lapse seismic data processing Reservoir prediction using pre- stack inverted elastic parameters Free- surface multiple attenuation using inverse data processing in the coupled plane- wave domain Subtle trap recognition method based on seismic sedimentology: a case study from shengli oilfield Fracture effects in seismic attenuation images reconstructed by waveform tomography Measuring velocity dispersion and attenuation in the exploration seismic frequency band Geophysical Well Logging Computer Science and Technology Electronic Engineering and Automation

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编辑推荐

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