

Seismic wave propagation and scattering in the heterogeneous earth

AIP Press - Seismic Wave Propagation and Scattering in the Heterogeneous Earth



Description: -

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Wave-motion, Theory of:
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Storici antichi e moderni

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Seismic wave propagation and scattering in the heterogeneous earth

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[PDF] Seismic Wave Propagation and Scattering in the Heterogenous Earth (Modern Acoustics and Signal Processing)

FD was applied to simulate seismic scattering due to lateral variations of physical properties, e. VSP configuration crosses the centre of a high velocity zone.

High

In this analysis, to discard amplitude data in the nodal directions and to obtain attenuation characteristics within the crust, we select data $A_j L_i$ with distances of 30—90 km and F_j values equal to or greater than 0. Blue dashed line is extrapolation of solid line.

High

Wegler, an anonymous reviewer, and the editor Dr A. Time window for calculating averaged coda amplitude is shown below envelopes by blue lines. Any queries other than missing material should be directed to the corresponding author for the paper.

Seismic Wave Propagation and Scattering in the Heterogenous Earth on Apple Books

Numerical simulations of seismic wave propagation were conducted via the finite-difference method using a 1-D crustal velocity structure model with additional 3-D small-scale velocity heterogeneity and intrinsic attenuation. In order to obtain the ensemble averaged RMS envelopes, we conduct FDM simulations with 10 realizations of the constructed 3-D model, including small-scale velocity heterogeneity. With the emphasis firmly on the lithosphere, the book includes analyses of observations using the theoretical methods developed.

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