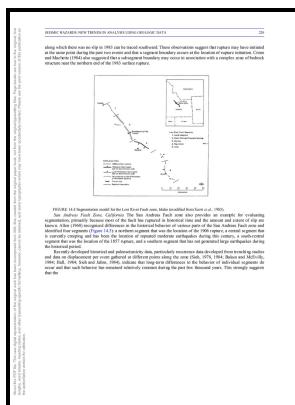


Segmentation of the Wasatch fault zone, Utah--summaries, analyses, and interpretations of geological and geophysical data

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Description: -

Economic policy -- Environmental aspects.

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Faults (Geology) -- Utah. Segmentation of the Wasatch fault zone, Utah--summaries, analyses, and interpretations of geological and geophysical data

1827

U.S. Geological Survey bulletin ; Segmentation of the Wasatch fault zone, Utah--summaries, analyses, and interpretations of geological and geophysical data

Notes: Bibliography: p. 40-47.

This edition was published in 1988



Filesize: 30.84 MB

Tags: #Thesaurus #Terms

BARGEN continuous GPS data across the eastern Basin and Range province, and implications for fault system dynamics

The gradient of the model shows the sharp boundaries of the wedge, whereas the inversion smoothed those gradients, so that the sharp contrast in velocity is not recovered. Nevertheless, the significance of the SDD interpretation is hard to overstate.

Insights into Wasatch fault vertical slip rates using the age of sediments in Timpanogos Cave, Utah

How to cite: Riesner, M. These inconsistencies suggest that the structural information near the boundaries of the EAW tomograms is not reliable. A velocity model was derived in which the upper-layer velocity varied laterally, the depth to the first refractor varied, and the velocity of the second, head-wave-producing layer infinite half-space also varied laterally.

Thesaurus Terms

We then use these results to evaluate the influence of stress changes due to past earthquakes on a probabilistic seismic hazard model for the Garlock fault. The first source line was located on the top bench, parallel to the 48-geophone-line, but extending to both sides for a total of 120 shot locations. During the early years of its development we learned that the three fundamental requirements of any SHA-oriented fault database are: 1 the capacity to represent seismogenic sources in 3D, thus providing a standardized quantitative basis for subsequent SHA calculations and stressing the hierarchy relationships among all existing active faults; 2 the completeness, i.

Colluvial wedge imaging using traveltimes and waveform tomography along the Wasatch Fault near Mapleton, Utah

These observations suggest the velocity field has observable gradients arising from both rotation and strain.

Geologic context of geodetic data across a Basin and Range normal fault, Crescent Valley, Nevada

Where velocities are observed between the eastern Snake River Plain and a zone of extension shown in Profiles F 410-460 km and G 410-530 km, there is a slight positive increase, indicating some left-lateral shear between the eastern Snake River Plain and the Intermountain Seismic Belt. Models a wsr1, b wsr2 and c wsr3 allow slip-vector magnitudes and azimuths to vary in the inversions. Delineated are the survey site yellow of both seismic experiment and the trench, the WFZ red and the Lake Bonneville shoreline blue.

Related Books

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