

大地震に学ぶ内陸地震の発生機構と不均質構造

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要旨: 電子機器や通信機器の発達により震源精度が向上し、地下の不均質構造、地震の破壊過程が詳細にわかるようになった。そのため地震の発生機構の解明は進んだが、未だに大地震発生のたびに新たな事象が発見されたり、仮説が検証されたりするが多い。地震の発生機構に関してはまだまだ未知のことが多いので、大地震など極端な地学的現象の継続的な観測・研究が必要である。

キーワード: 大地震, 地震活動, 地震観測, 震源精度, 地震波反射面

Source Processes of Inland Earthquakes and Heterogeneous Structure Revealed from Large Earthquakes

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Synopsis: Source processes of large earthquakes have been well analyzed by using abundant recorded seismic wave and phase data of earthquakes from dense station network with improved observation system in recent years. However, new phenomena still have been obtained and/or hypotheses have been proved, every time of large inland earthquakes. Therefore, we still need continuous observations of earthquakes including various kinds of crustal movements with new improved technique, in particular, observations of large earthquakes, which are rather rare phenomena.

Keyword: large earthquake, seismic activity, observation of earthquake, accuracy of hypocenter, seismic reflector