

Development of a Seismicity Classification Program 'xhypo' (2)

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An X-Window program to display 3-D hypocenter distribution in optional range and azimuth on PC monitor was developed for interactive classification of seismic activity. This program is useful especially to know the shape of individual seismic cluster of many clusters. For example, imagine a case to resolve the shape of lower plane of double seismic planes in an area. It is not easy to extract information of the lower plane from hypocenter list by specification of range and depth. Even if it is possible to know the sectional shape of the lower plane, it is impossible to know the epicenter distribution. Similar barriers often prevent us to understand a shape of complex fault systems. This program strongly helps us to clear such barriers and to understand character of a seismic activity. This is the second report subsequent to the first one (P070) in 2003 fall meeting of the seismological society of Japan, because many function was improved after the meeting.