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SSS025-15

Room:302

Time:May 27 18:00-18:15

Heterogeneous pre-stress field in source region

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In the previous SSJ fall meeting, we found that the heterogeneous 3D structure model of the 2004 Chuetsu earthquake generate the stress field which could cause a high stress drop in asperity of the event and also minimum strength excess around the hypocenter. In order to interpret the above, we study the relationship between the heterogeneity of the crustal structure and the resultant stress field by using simple crustal model.

Keywords: Earthquake source process, stress field