

Spatio-temporal change of aftershock activity-Case study for the western Tottori earthquake and southern Hyogo earthquake-

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We investigated whether parameters in the modified Omori formula and b-value can be regarded as constant temporary or not, and if they do not change spatially for the western Tottori earthquake and southern Hyogo earthquake. We found that a larger b-value is obtained in the later time, especially for the southern Hyogo earthquake. There is a tendency that the b-value is small just after the occurrence of main shock. Concerning the spatial distribution we found that the b-value for the aftershock activity in the northwestern side is larger than that in the southeastern side for the Tottori earthquake.