

Triggering process of the M6.4 Eastern Shizuoka earthquake on March 15, 2011

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We investigated the triggering process of the $M_{JMA}6.4$ Eastern Shizuoka earthquake which occurred near Mt. Fuji at a depth of about 14 km, four days after the Mw9.0 2011 Tohoku-oki earthquake. The Eastern Shizuoka earthquake may have been triggered by the static stress changes from the 2011 Tohoku-oki earthquake and/or the dynamic stress and strain changes due to the passage of surface waves from the $M_{JMA}6.2$ Fukushima-oki earthquake which occurred about 230 sec earlier and at a site located about 400km away.

Keywords: 2011 Eastern Shizuoka earthquake, 2011 Tohoku-oki earthquake, static stress changes, dynamic stress changes, triggering