

Fissure eruptions of Fuji volcano

Akira Takada[1], Takahiro Yamamoto[2], Yoshihiro Ishizuka[3]

[1] AIST, [2] GSJ, DGERC, [3] Geol. Surv. Japan, AIST

Eruptive fissures reflect various stress fields beneath a volcano. The local stress field, except the regional stress field, is composed of the accumulated excess stress from the previous dike intrusions, the stress from gravitational instability of volcano flank, and the stress from the adjacent fault system. Eruptive fissure is characterized by its dimension, its distribution pattern, and fissure pattern. Compared with eruptive fissures of various volcanoes in the world, those of Fuji volcano are reported.