

An estimate of degree of crystallization of granite magma in the synplutonic mafic dike formation

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Aiming at the elucidation of an evolution process in a magma reservoir, estimated degree of crystallization of granite magma when it injected it using synplutonic mafic dike which carried through Ryokegranitoid. Recently, as trigger of explosive volcano eruption, injection of mafic magma to a being felsic magma reservoir attracts attention (e.g. Sparks et al., 1977; Pallister et al., 1992). As for the crackle form of mafic magma which coexisted with granite magma to simultaneous, expecting it, that it changes is expected by degree of crystallization of granite magma, and synplutonic mafic dike is formed by the granite magma that, for example, degree of crystallization is comparatively high when mafic magma did crackle.