Introduction

(R. Schick, R. Mugiono) 1

Signal characteristics of volcanic tremor during change from low to high activity

(W. Brüstle) 5

Volcanic tremor recordings: Polarization analysis

(D. Seidl, M. Hellweg) 31

Volcanic tremor observed during various stages of magma dome building activity on Merapi (Central Java, Indonesia)

(S.B. Kirbani) 47

Rayleigh-Benard convection in extended magma-chambers

(G. Meinhardt) 71

Eigenvibrations of magma-:filled dike systems with complex geometry

(T. Dahm) 97

Dimensional analysis of volcanic tremor

(J. Strigl) 115

Location of seismic sources of Merapi (Central J ava) with impulsive character

(A. Fadeli) 137

Study on characteristics and origin of volcanic seismic signals

(J. Neuberg and P.S. Wahyudi) 149

On volcanic shocks at Merapi and tidal triggering

(A. Fadeli, P.A. Rydelek, D. Emter and W. Zürn) 165

Volcanic activity parameters

(R. Schick) 183

Automatic event recording

(A. Fadeli, S.B. Kirbani and R. Schick) 189

A new long-baseline tiltmeter for volcanic application

(D. Emter, E. Meier and R. Schick) 191