

D107-002

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Influences of underground water pressure on observations of crustal movements

Wataru Morii[1]

[1] RCEP, DPRI, Kyoto-Univ.

I attempted to estimate influences of underground water pressure on observations of crustal movements. Using with tidal constituents estimated for strain-meter records and for underground water level, I obtained results that underground water level elevation of 1cm caused expansion of $1.6E-8$ for an observation tunnel and so on.