## De-020

## Room: IC

## Seismic Core-Modes observed by the 100m Quartz-Tube Extensometer at the Matsushiro Seismological Observatory of JMA

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http://core.toyama-u.ac.jp/kawasaki-jhtml

Spectral analyses by sompi-method (Hori et al., 1989) is made for seismic strain records by the Matsushito 100m extensometers due to four recent M8 class large earthquakes. A quality factor Q of core-modes of 2S2(1049s), 3S3(693s), 3S4(538s) and 6S2(408s) is estimated as around 400, which gives an overall fitting to concentration of wave elements in the f-g diagram of the Sompi-spectral. However, their amplitudes is one-order larger than theoretical prediction (0.1-1.0)\*10\*\*(-12) for the M8 class seismic events.