

## Estimation of surface amplification with receiver function using Yokohama Strong Motion Seismograph Network

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We have calculated amplitude ratio of SH-wave recorded at both borehole station and surface station. We also have calculated synthetic amplitude ratio and compared it to observation. Both of the ratios agree well, which shows that borehole station is quite effective for this kind of study. We then calculate H/V from receiver function technique and compare with amplitude ratio to evaluate receiver function technique.

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