

## Estimation of Rayleigh wave group velocities in Zushi City using seismic interferometry in the short period range

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To estimate Rayleigh wave group velocities in the short period range from microtremor data, we have applied seismic interferometry method to microtremor data observed in Zushi City, Kanagawa, Japan. The group velocities for the 82 station pairs from 58 observation points have been calculated by using the multiple filter analysis. As the result, we found that there is a good correlation with the results of microtremor array method carried out at the same area.

Keywords: seismic interferometry, group velocity, short period range