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## Estimation of attenuation area of P-wave beneath Iwate volcano using artificial explosions

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An Artificial explosion experiment was carried out in October 2000,to clarify structure beneath Iwate volcano. We detected initial motion amplitude of the P-wave which passed beneath the volcano,to estimate the attenuation area. The 28 observation points were located at the northern part, and 31 observation points were located at the southern part around the volcano. We used the seismic waves which were obtained by the 3 explosions. At the result, the estimated attenuation area were ranging from 39.83 deg.N to 39.86 deg.N, and ranging from 140.96 deg.E to 149.99 deg.E. It was showned that the attenuatin area was located beneath caldera.