

## Crustal structure beneath the northeastern Honshu, Japan, as derived from explosion seismology and gravity anomalies

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In 1990s, two extensive explosion seismological experiments were conducted in northern Honshu by the Research Group for Explosion Seismology. They preseted P-wave velocity crustal structures.

We carried out gravity mesurements. We analyzed the crustal structures by using gravity anomaly data and two-dimensional Talwani's method [Talwani et al., 1959]. After converting velocity structures into density structures, as result of this analysis, we revealed very large inconsistency between them in and around Tono district, Central Kitakami highland, northeastern Japan.