

## The magnetic structure in Taiwan The magnetic structure in Taiwan

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In this study, the main focus is to construct a magnetic structure model for Taiwan. The well covered total-field geomagnetic anomaly map in Taiwan was calculated by the observed data during a series of survey at 2003-2004. A new 3D forward modeling of total-field magnetic anomaly method was applied to our calculation. We assign the susceptibility to the particular rectangular prism from the reference studies, which had defined the susceptibility from the result of Geological survey. Two profiles in West-East direction and one in North-South direction has been studied. The modeling total-field magnetic anomaly along these profiles are used to compare with the observed data and further discuss the magnetic structure along with it.

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