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## 磁場向下延伸與臺灣海域磁力異常

胡錦城 盧世民

## 摘要

本研究利用  $\sin x/x$  方法將臺灣西部與南部外海由空中磁測所得剩餘磁場強度向下延伸至海平面。然後利用所得結果繪成等值線圖並與臺灣東部外海由海上測勘所得磁力異常圖連結而完成一整體的臺灣海域磁力異常等值線圖。這整體圖清楚的顯示較老的亞洲大陸棚構造曾一直與較年青的南中國海板殼，呂宋島弧，及琉球島弧等構造在臺灣島附近相互作用。