THE STUDY OF GRAVITY AND MAGNETIC DATA ON DEEP-SEATED (MEGA) FRACTURES OF YELLOW SEA AND PERIPHERAL REGIONS

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The paper carries on analysis to the Bouguer gravity anomaly, magnetic anomaly, vertical magnetic anomaly converted to the geomagnetic pole, the second vertical derivative of Bouguer gravity anomaly, the results of continuation upward and regional geological data of Yellow Sea and peripheral regions. The features of distribution, development, character, attitude, and deep stretch of main fractures in the research area are inquired into. Passing through the synthetic analysis, the paper inferred about ten deep-seated (mega) fractures. Among them, Tancheng - Lujiang Fracture Zone, Siyang - Lianyungang - Qianliyan - Kaesong Deep Fracture, Jiangshan - Saoxing - Kwangju Deep Fracture, East Cangzhou - Tianjin Deep Fracture and Central South Yellow Sea - Cheju Island Fracture Zone belong to the lithosphere deep fracture zone. Jiashan - Xiangshui Deep Fracture, Western Ulleung Basin Megafracture, Jilong - Xihulake Fracture and West Tsushima Island Fracture belong to the upper crustal deep fracture. Wulian - Qingdao - Haeju Deep Fracture belongs to the compressive - shear deep fracture.