

论文

华北东部晚中生代伸展构造作用

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摘要 本文在对华北东部晚中生代变质核杂岩、原型裂陷盆地群分布特征研究的基础上, 结合区域地壳和上地幔的地球物理场特征, 分析了变质核杂岩构造、裂陷盆地群的主要控制因素和岩石圈巨大减薄作用的形成机理, 阐明了华北东部晚中生代的构造演化受太平洋板块俯冲效应、扬子板块碰撞挤压和软流圈大规模上涌联合作用的控制, 而地表、中—上地壳分界和Moho界面是深部地质过程和浅部地质构造之间耦合的关键界面.

关键词 [华北东部](#) [晚中生代](#) [变质核杂岩](#) [原型盆地群](#) [岩石圈减薄](#)

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**A review on the late Mesozoic extensional tectonics on the eastern North China Craton**

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**Abstract** Based on distribution characteristics of late Mesozoic metamorphic core complexes and prototype basins and geophysical characteristics of crust and upper mantle in the eastern North China Craton, the paper analyses the main controlling factors and formation mechanism of regional tectonic and lithospheric thinning and suggest that Mesozoic tectonic evolution of the studied area should result from subduction of Pacific plate, compression between Yangtze plate and North China plate and asthenosphere upwelling and the earth's surface, the boundary between upper and middle crust and Moho should be the key coupling interfaces between deep geologic process and shallow geologic structures.

**Key words**

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