

# Evolution and tectonic setting of Mesozoic basins in Zhejiang and Jiangxi Provinces , southeastern margin of the Yangtze Platform

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**Abstract** : Basing on the study of Mesozoic structural layers and evolution of basins as well as tectonic setting of volcanism in Zhejiang and Jiangxi Provinces , southeastern margin of the Yangtze Platform , it is clarified that the evolution of Mesozoic basins of the studied area experienced a transformation of structural grain from nearly E-W or NEE-SWW to NE-SW or NNE-SSW , and also a change of tectonic setting from compression to tension to compression and to tension ; that the transformation of tectonic regime and tectonic setting started at Late Jurassic and basically ended in the early stage of Early Cretaceous . Accompanied with the transformation , Mesozoic basins of different types were formed in the studied area .

**Key words** : southeastern margin of the Yangtze platform ; Zhejiang and Jiangxi Province ; Mesozoic ; tectonic setting

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