

大别造山带中上地壳变形特征  
——皖中张八岭地区印支—燕山早期构造变形研究

侯明金<sup>1,2</sup> 吴跃东<sup>2</sup> 汤加富<sup>2</sup>

(1. 合肥工业大学资源与环境工程学院, 安徽 合肥, 230009;

2. 安徽省地质调查院, 安徽 合肥, 230001)

摘要: 张八岭构造带是大别造山带的一部分,是造山带中上地壳出露地区。通过运用构造—地层学的理论和方法,以及对张八岭地区1:5万地质填图资料的分析 and 典型地区的构造解剖,认为:区内张八岭(岩)群与南华系—震旦系及其以上地层之间不存在强烈的构造运动界面,其作为大别造山带的组成部分发生了强烈的变形作用;印支—燕山早期区内主要存在3期构造变形:早期为一列呈NWW、近EW向的紧闭同斜褶皱,中期以韧性剪切带发育为特征,晚期以NW向SE的逆冲推覆作用伴生NNE向为主的宽缓褶皱。三期变形相互叠加,形成区内基本构造格架。伴随着扬子地块向华北地块的俯冲与碰撞,中上部地壳发生褶皱、逆冲推覆(前缘滑覆)作用等,三期变形为一递进变形过程。

关键词: 中上地壳; 构造变形样式; 张八岭构造带; 大别造山带; 印支—燕山早期

中图分类号: P542 文献标识码: A 文章编号: 1000-3657(2004)02-0123-08

Deformation features of the mid-upper crust of the Dabie orogenic belt  
—a case study of the Indosinian-early Yanshanian tectonic  
deformation in the Zhangbaling area

HOU Ming-jin<sup>1, 2</sup>, WU Yue-dong<sup>2</sup>, TANG Jia-fu<sup>2</sup>

(1. School of Resources and Environment Engineering, Hefei University of Technology,  
Hefei 230009, Anhui, China; 2. Anhui Geological Survey, Hefei 230001, Anhui, China)

Abstract: The Zhangbaling tectonic belt is a part of the Dabie orogenic belt and an outcrop area of the mid-upper crust of the belt. By using the combined tectonic and stratigraphic method to analyze the 1:50000 geological mapping data of the Zhangbaling area and make structural analysis of the typical cases, the following new ideas have been got: there is no boundary of strong tectonic movement between the Zhangbaling Group-complex (Pt<sub>2</sub>~3) and the Nanhuaan-Ordovician or strata above them, and as a component part of the Dabie orogenic belt, the group-complex underwent strong deformation; in the Indosinian-early Yanshanian there mainly occurred three phases of tectonic deformation, i.e. a series of WNW- and nearly E-W-trending tight congruous folds in the early stage, a ductile shear zone in the middle stage, and the mainly NNE-trending, broad folds accompanied by SE-vergent overthrusting in the late stage. The superimposition of the three phases of deformation formed the basic tectonic framework of the area. Folding and overthrusting (front sliding) took place in the mid-upper crust (include sedimentary cover) concomitantly with subduction of the Yangtze block beneath the North China block and their collision. The three phases of deformation represent a process of progressive deformation.

Key words: mid-upper crust; tectonic deformation pattern; Zhangbaling tectonic belt; Dabie orogenic belt; Indosinian-early Yanshanian.