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变质核杂岩的旋扭成因: 滇东南老君山变质核杂岩的构造解析 [点此下载全文](#)

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摘要:

通过滇东南老君山变质核杂岩特征及周围构造环境的力学分析及历史分析认为, 该变质核杂岩实质上是旋扭构造的砥柱, 而旋扭构造又源于文山—麻栗坡断裂的走滑运动, 拆离伸展构造晚于旋扭构造。因此提出了变质核杂岩旋扭成因的新看法, 并认为越北古陆的形成是由于印度板块与扬子板块的碰撞导致红河断裂和文山—麻栗坡断裂的走滑运动进而引起的旋扭隆升。后期叠加伸展拆离作用。

关键词: [变质核杂岩](#) [旋扭构造](#) [走滑断裂](#) [构造解析](#) [杂岩](#)

Rotation-shearing Genesis of Metamorphic Core Complex--Structural Analysis of Metamorphic Core Complex in Laojunshan, Southeastern Yunnan Province [Download Fulltext](#)

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Abstract:

The paper gives a mechanical and history analysis on the characteristic of Laojunshan meta-morphic core complex in southeastern Yunnan and its structural environment, and considers that metamorphic core complex is actually a nuclear column of a vortex structure, which was caused by the Wenshan-Malipo strike-slip fault. Later extensional detachment strengthened uprising of the metamorphic core complex. The significance lies in that the paper puts forward the rotation-shearing genesis of metamorphic core complex, which can rationally interpret that the formation of Viet Bac old landmass is due to the collision between Indo plate and Yangtzi plate and the rotation-shearing uplift due to the strike-slip movement of the Red River fault and Wenshan-Malipo fault.

Keywords: [metamorphic core complex](#) [rotation-shearing structure](#) [strike-slip fault](#) [structural analysis](#) [southeastern Yunnan Province](#)

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