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摘要:

新疆东天山是我国重要的矿产集中区之一,并且具有良好的进一步找矿潜力。本文在对东天山成矿地质背景分析的基础上,划分出7种内生金属矿床的主要成矿类型,阐明了该区晚古生代地壳经历了拉张、挤压、碰撞伸展的发展阶段,金、铜等内生金属矿床属于不同地球动力学背景下的产物。

关键词: [成矿类型](#) [地球动力学](#) [东天山](#) [新疆](#)

Types of Late Palaeozoic Endogenetic Metal Deposits and Related Geodynamical Evolution in the East Tianshan [Download Fulltext](#)

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Abstract:

The East Tianshan, located in northeastern Xinjiang and in the middle of Central Asia, has a close connection with those in Central Asia and is rich in metal deposits. Compressional collision between the late Palaeozoic plates provided excellent conditions for mineralization and consequently a large number of metallogenic belts were formed. The East Tianshan is one of the very important metallogenic belts in China, the discovery of a large porphyry copper deposit is the most important breakthrough in mineral exploration in Xinjiang, China. It has good ore potentials. Based on the systematical records of metallogenic geological series, four representative ore deposits and late Palaeozoic geodynamic evolutions, four metallogenic series types are recognized. Late Palaeozoic crustal evolution went through the extension stage, compressional stage, post-collisional extension stage, strike-slip stage and partial extension stage, and each stage is associated with a certain ore deposit or a metallogenic series.

Keywords: [metal deposits](#) [mineralization type](#) [East Tianshan](#) [Xinjiang](#)