

CHARATERS OF DYNAMIC CRITERIA OF HYDROTHERMAL METAL DEPOSIT IN SPACE AND METALLOGENIC PROGNOSIS

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Ore-forming is a complex system while ore-forming process is one kind of complicated dynamic processes, but in this respect to search for minerals or metallogenic prongnosis, it is a effective method and way to solve ore body quantitative prognosis that dynamic critera of mineralized fissures (or veins) in periphery of deposit are distinguished and analysed. The dynamic criteria include mainly the fractal value of mineralized fissure network and the fractal value of connected network of the fissures, the resistance of the fissures at normal atmospheric temperature and low temperature resistance between 77.0 K and 277.3 K, the scattered coefficient of particulate metal minerals in outside of the fissures, regular coefficient in end of the minutely fissures, magnetic parameter of the fissures and synthetic parameter of dynamic criteria which shows entire characteristic of the network or the fissures in dynamics. The more or less the values is, the closer the distance of the network or the fissures site to deposit is. On the basis of the dynamic criteria known ore spots or mineralized sites or mineralized sections in exploratory boring, the direction to indicate the existed ore body, the distance from the ore spots to the ore body and the depth of the ore body under surface were distinguished and prognosticated quantitatively.‰