

ILLUSTRATION OF THE THERMODYNAMICAL  
METHOD OF RESEARCH INTO A CRITICAL  
STATE THROUGH THE RAINFORD -  
EDWARDS MODEL

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S u m m a r y

The thermodynamical method for studying a critical state is illustrated by the example of critical behavior of metallic cerium in the frameworks of the improved Rainford - Edwards model. Thermodynamical stability of the model is investigated, and behavior of the whole complex of thermodynamical characteristics of the system is analyzed. It is concluded that the model has the first type of critical behaviour.