

Equation of state of matter at extreme conditions

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An overview of the results in the field of thermodynamics of extreme states of matter is given. The issue of equations of state (EOSs) of main rock-forming oxides under conditions of static and shock compression is considered. New approach of developing high-pressure EOSs for materials substances of astro- and terrestrial formations is discussed. Developed EOSs for regolith and typical chondrite are presented.

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