



# Materials Science and Equation of State

This section includes discussions of current work on the equation of state of plutonium, tantalum, gallium, boron, boron carbide, vanadium, and lithium fluoride. In addition, some of the papers discuss some of the methodology involved in the generation and tabulation of equations of state for condensed materials. Other topics reported in this section deal with lattice vibrations, superlattices, property and constitutive models for binders for high explosives, polymeric materials, phase transformations in composite materials as well as magnetic transitions in the Kondo lattice.