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A procedure is described for of liquids from Hugoniot P-V rela This is applied to a number of line The formalism of irreversible phase transitions in iron and an obtained in a form suitable for m continuum dynamics. These are ap development of the two-wave struc Finite strain theory is appl and the results supply enough inf elastic constants.	tions determined in quids and a table of approximate set of umerical integration plied in an approxi ture in iron caused ied to the analysis	n shock wave of coefficie s applied to constitution on with the imate form d by the a-d s of shock w	e measurements. ents is given. o time-dependent ve relations is equations of to study the phase transition. wave data for quartz,	
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