

ANALYSIS OF ORIENTATION MATCHING
AT A THIN INTERFACE BETWEEN TWO
PHASES IN FERROELASTIC $\text{Pb}_3(\text{PO}_4)_2$

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S u m m a r y

The dependence of the relative orientation of the ferroelastic phase with respect to the paraelastic one on the magnitude of spontaneous strain in $\text{Pb}_3(\text{PO}_4)_2$ crystals has been analyzed. The phase transition of the first kind in those crystals has been demonstrated to occur at a temperature, at which the orientation relationship between two phases corresponds to the thin interface model.