

NON-CONVENTIONAL
METHODS OF POLARIZATION
SWITCHING IN UNIAXIAL FERROELECTRICS

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S u m m a r y

Thermodynamic potentials of pure uniaxial ferroelectrics, namely, triglycine sulphate and lead germanate, have been considered taking into account their secondary ferroic properties. It has been shown that the polarization switching in those crystals can occur under the action of definite combinations of external mechanical stresses and electrical fields, which may be applied normally to the ferroelectric axis.