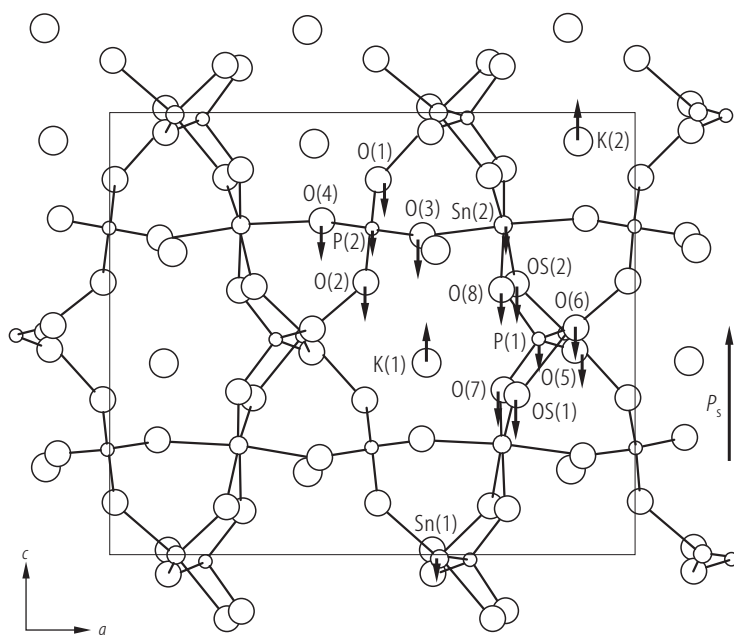
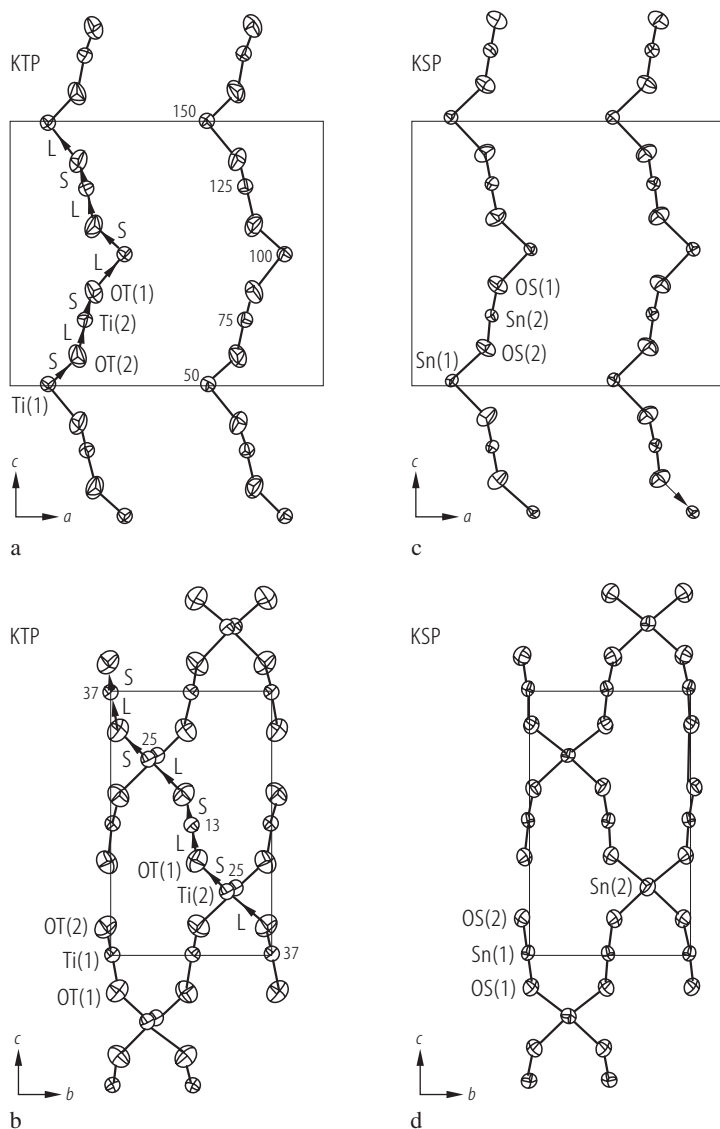
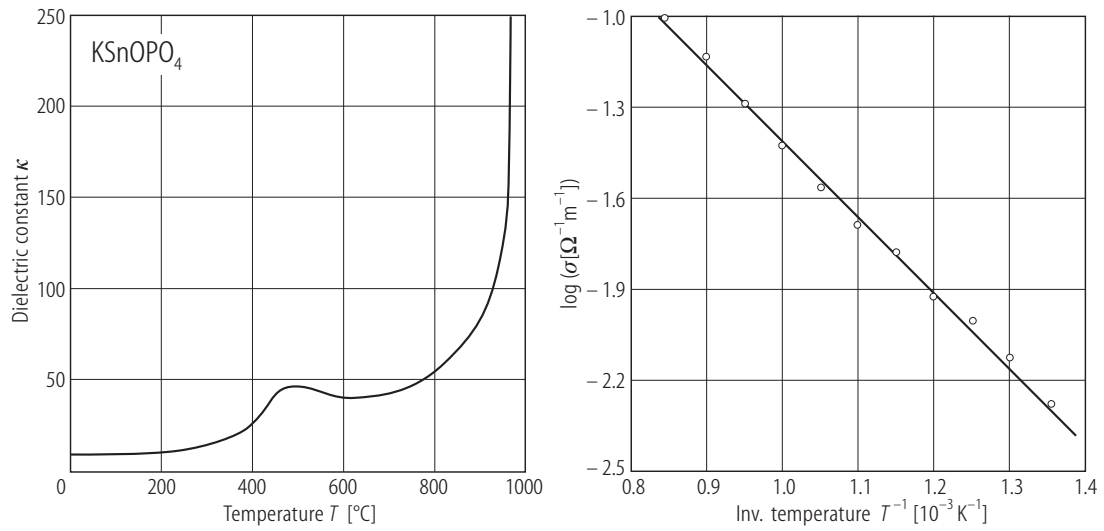


$\text{KSnOPO}_4$ 

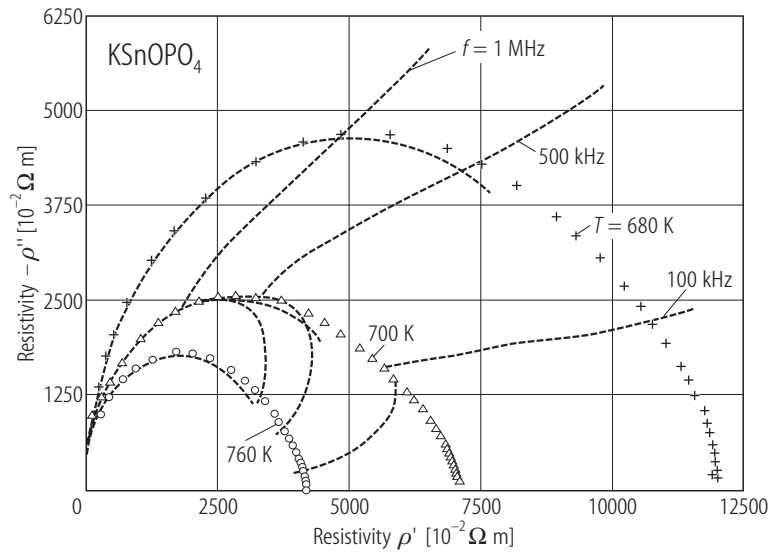
**Fig. 35A-11-001.**  $\text{KSnOPO}_4$ . A view of the  $\text{KSnOPO}_4$  structure seen along  $[010]$  showing the directions for the displacements of all atomic species in the transition from the paraelectric phase to the ferroelectric phase [90Tho]. The direction of the resultant spontaneous polarization,  $P_s$ , is shown parallel with the chosen direction of  $+c$ . OS(1): oxygen of Sn(1) side. OS(2): oxygen of Sn(2) side.



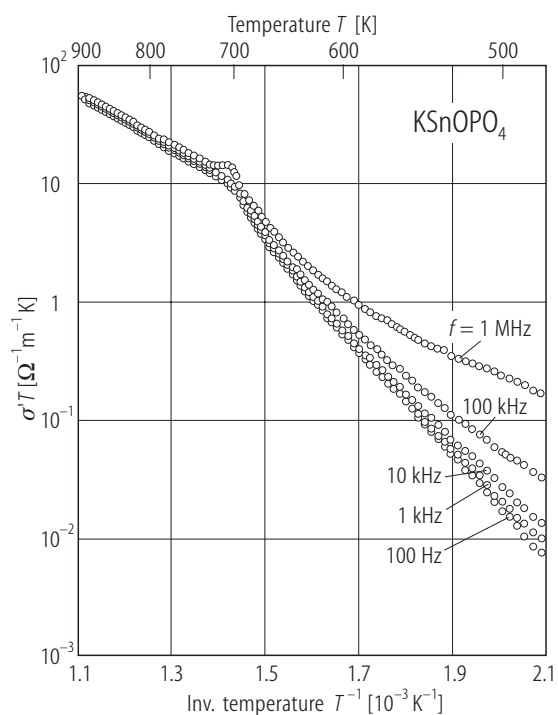
**Fig. 35A-11-002.**  $\text{KSnOPO}_4$ . Comparison of the structure with that of  $\text{KTiOPO}_4$  [90Tho]. **(a)** A view along [010] of the thermal ellipsoids (at 70% probability level) of the Ti and OT atoms only showing the formation of the Ti–OT chains in the KTP structure. The ‘long’ and ‘short’ Ti–OT bonds are denoted by L and S respectively and the heights of the atoms are marked in units of  $z/c \times 100$ . **(b)** The same atoms as in **(a)** but seen along [100]. The ‘zig-zag’ path of the Ti–OT chains is very apparent from this viewpoint. **(c)** A view along [010] of the Sn–OS chains in KSP [drawn to the same scale as **(a)**]. Long and short Sn–OS bonds equivalent to the L and S Ti–OT bonds do not appear in the chains which are otherwise analogous to those in KTP. **(d)** Thermal ellipsoids for the Sn and OS atoms seen along [100] [equivalent to **(b)** for KTP].



**Fig. 35A-11-003.**  $\text{KSnOPO}_4$  (ceramic).  $\kappa$ ;  $\log \sigma$  vs.  $T$  [89Vor].  $\sigma$ : electric conductivity [ $\Omega^{-1} \text{m}^{-1}$ ].



**Fig. 35A-11-004.**  $\text{KSnOPO}_4$ .  $\rho'$  vs.  $-\rho''$  [94Yan].  $\rho'$ : real part of the complex resistivity.  $\rho''$ : imaginary part of the complex resistivity. Parameter:  $T$ .



**Fig. 35A-11-005.** KSnOPO<sub>4</sub>.  $\sigma'T$  vs.  $T^{-1}$  [94Yan].  $\sigma'$ : real part of the complex conductivity. Parameter:  $f$ . (In the printed book the caption of this figure is missing due to a misarrangement, the figure was planned to be Fig. 35A-6-073 before.)