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**No. 1C-a83  $\text{PbZrO}_3\text{--PbO}\cdot\text{SnO}_2$** 

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1b Phase diagram: Fig. 1C-a83-001.

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3a Lattice parameters: Fig. 1C-a83-002; see also 56Tak

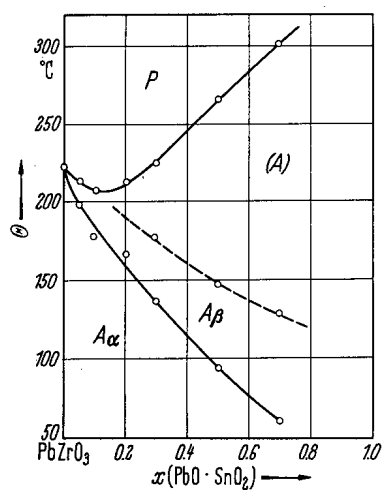
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4 Thermal expansion: see 58Kra

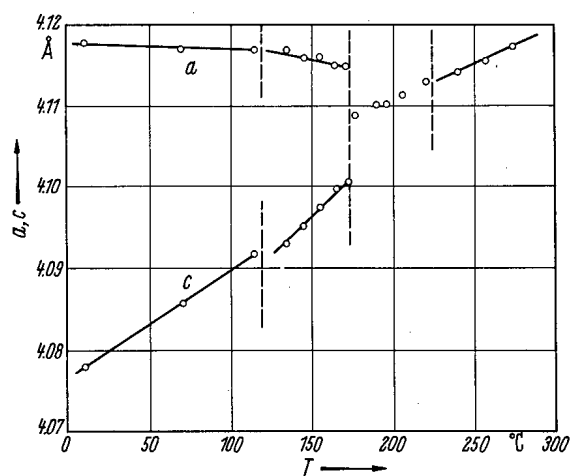
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5a Dielectric constant: Fig. 1C-a83-003, Fig. 1C-a83-004.

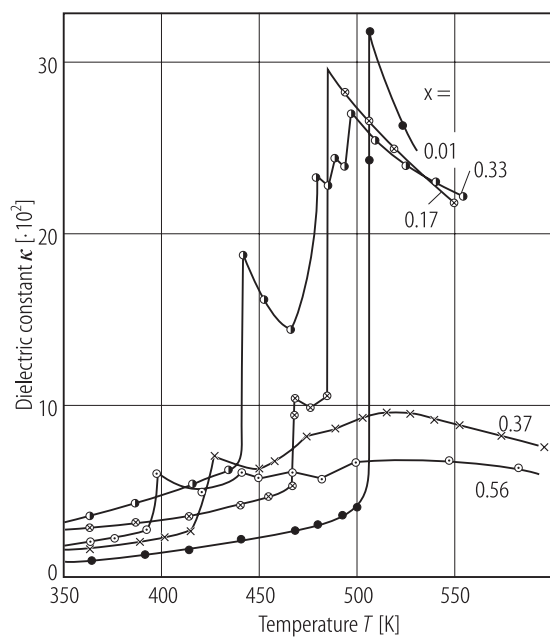
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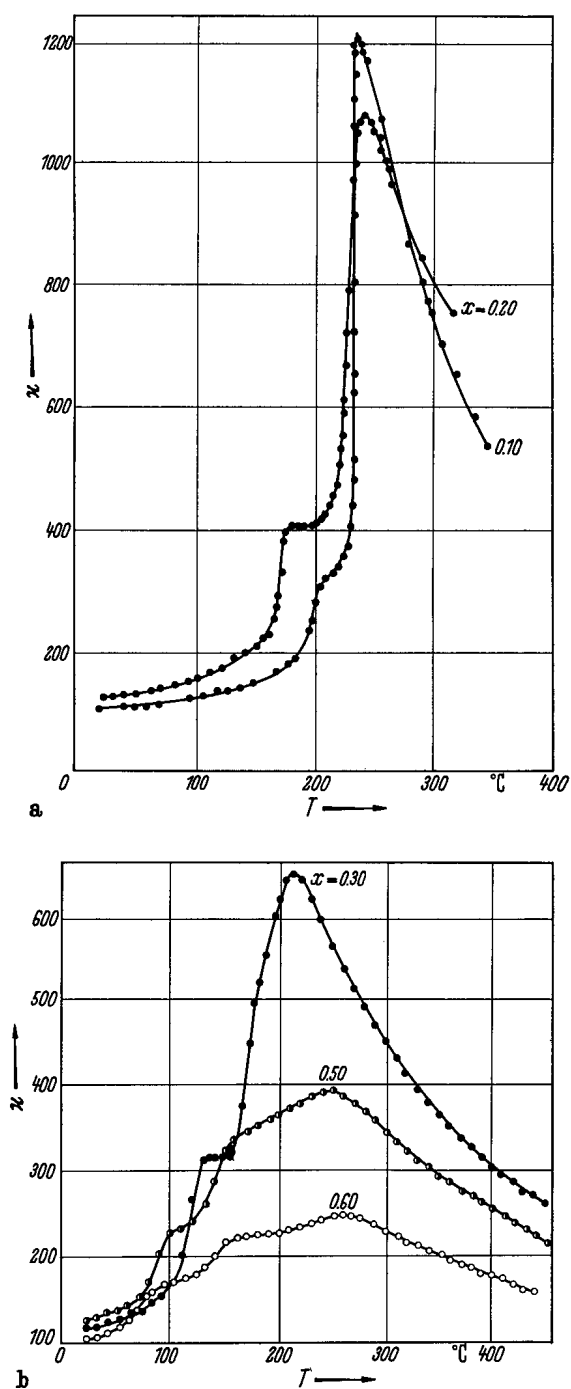
**Fig. 1C-a83-001.**  $\text{Pb}(\text{Zr}_{1-x}\text{Sn}_x)\text{O}_3$ .  $\Theta$  vs.  $x$  [56Tak]. Phases:  $A\alpha$ : antiferroelectric orthorhombic,  $A\beta$ : antiferroelectric tetragonal, P: paraelectric cubic.



**Fig. 1C-a83-002.**  $\text{Pb}(\text{Zr}_{0.6}\text{Sn}_{0.4})\text{O}_3$ .  $a$ ,  $c$  vs.  $T$  [55Tak].  $a$ ,  $c$  are pseudotetragonal lattice parameters.



**Fig. 1C-a83-003.**  $\text{Pb}(\text{Zr}_{1-x}\text{Sn}_x)\text{O}_3$  (crystals).  $\kappa$  vs.  $T$  [91Bah]. Parameter:  $x$ ,  $f = 1592$  Hz.



**Fig. 1C-a83-004.**  $\text{Pb}(\text{Zr}_{1-x}\text{Sn}_x)\text{O}_3$  (ceramics).  $\kappa$  vs.  $T$ . Parameter:  $x$ . (a):  $[\text{55Smo}]$ ,  $f = 1.5 \text{ MHz}$ ; (b):  $[\text{58Kra}]$ .

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