No. 1C-a82 $BaZrO_3$–$PbZrO_3$

1b	Phase diagram: Fig. 1C-a82-001, Fig. 1C-a82-002.	
3a	Lattice parameters: Fig. 1C-a82-003, Fig. 1C-a82-004.	
4	Thermal expansion: see Fig. 1C-a81-003.	
5a	Dielectric constant: Fig. 1C-a82-005.	
	Effect of electric field bias: Figs. 1C-a82-006...1C-a82-008; see also	50Rob
c	Remanent polarization: Figs. 1C-a82-009, 1C-a82-010.	
6a	Specific heat: see Fig. 1C-a81-005. Transition heat: see Table 1C-a81-001.	
8	Elastic property: Fig. 1C-a82-011.	

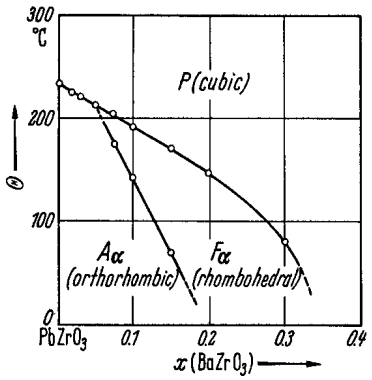

Fig. 1C-a82-001. $(Pb_{1-x}Ba_x)ZrO_3$. Θ vs. x [52Shi].

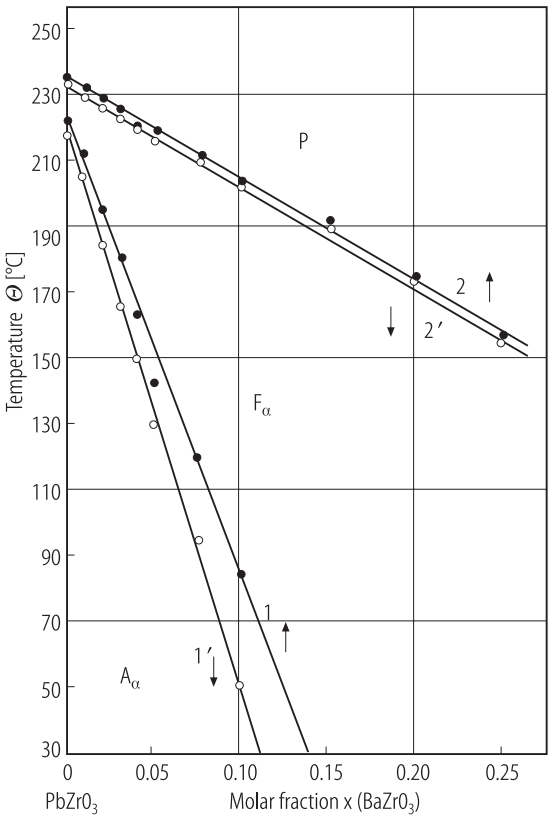

Fig. 1C-a82-002. $(Pb_{1-x}Ba_x)ZrO_3$. Θ vs. x [92Ujm]. Curves *1*, *2*: heating, *1*', *2*': cooling.

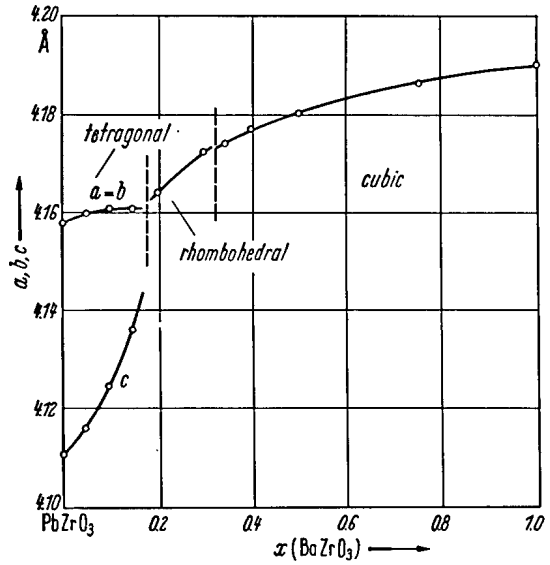

Fig. 1C-a82-003. $(Pb_{1-x}Ba_x)ZrO_3$. Lattice parameters vs. x [54Shi]. Pseudotetragonal cell constants are given for $x < 0.18$.

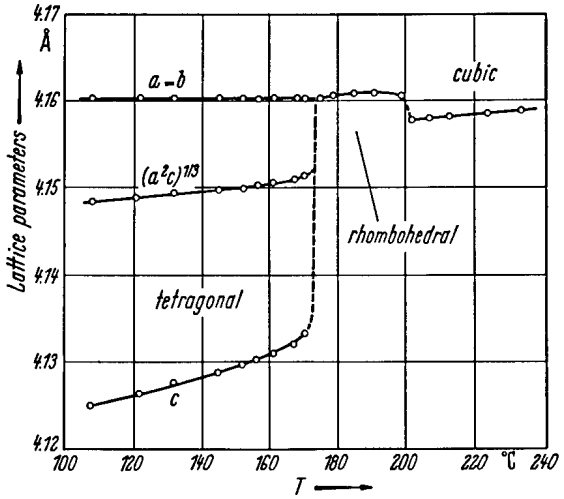

Fig. 1C-a82-004. $(Pb_{0.925}Ba_{0.075})ZrO_3$. Lattice parameters vs. *T* [54Shi].

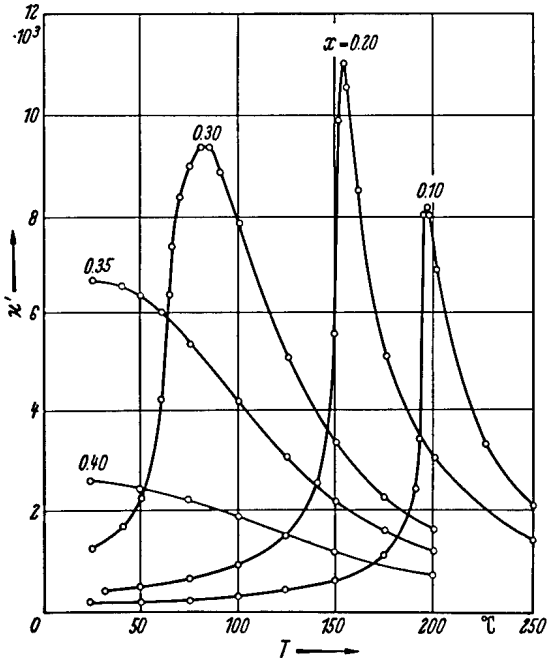

Fig. 1C-a82-005. $(Pb_{1-x}Ba_x)ZrO_3$ (ceramics). κ' vs. T [50Rob]. Parameter: x.

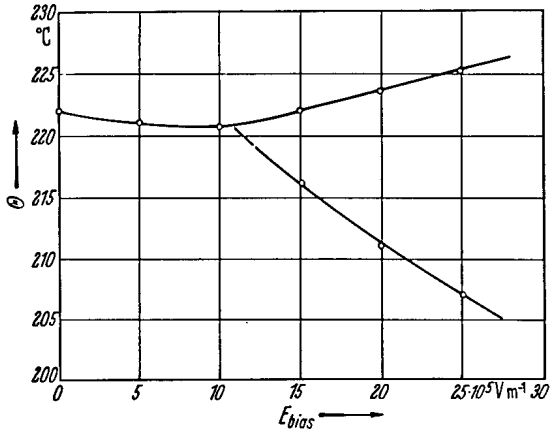

Fig. 1C-a82-006. $(Pb_{0.97}Ba_{0.03})ZrO_3$. Θ vs. E_{bias} [52Shi].

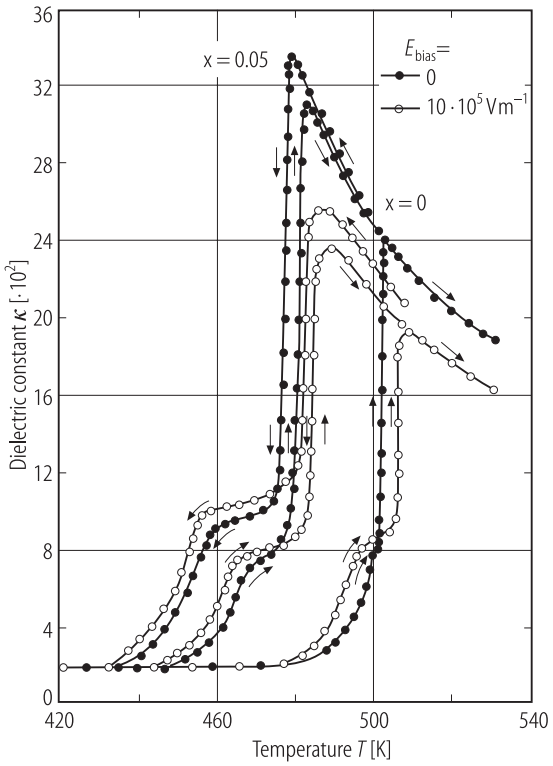

Fig. 1C-a82-007. $(Pb_{1-x}Ba_x)ZrO_3$ (ceramics). κ vs. T [85Ism]. Parameter: x, E_{bias}. f = 75 kHz. Arrows indicate run direction (heating or cooling).

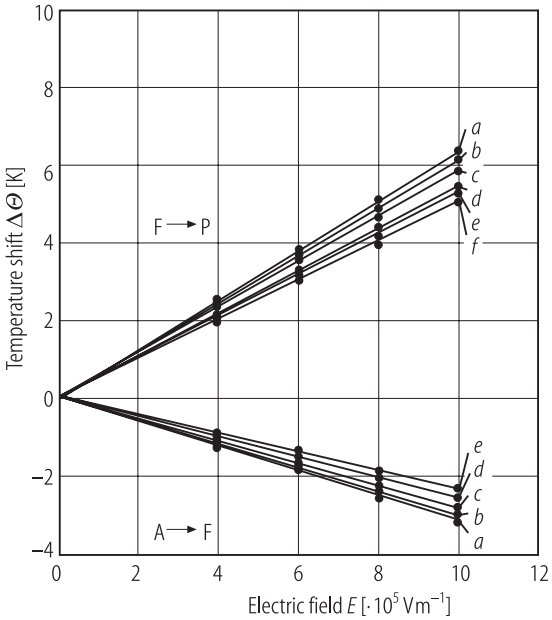

Fig. 1C-a82-008. $(Pb_{1-x}Ba_x)ZrO_3$ (ceramics). $\Delta\Theta$ vs. E [85Ism]. Parameter: x. $\Delta\Theta$: shift of the phase transition temperatures. Curve *a*: x = 0, *b*: x = 0.03, *c*: x = 0.05, *d*: x = 0.075, *e*: x = 0.15, *f*: x = 0.20.

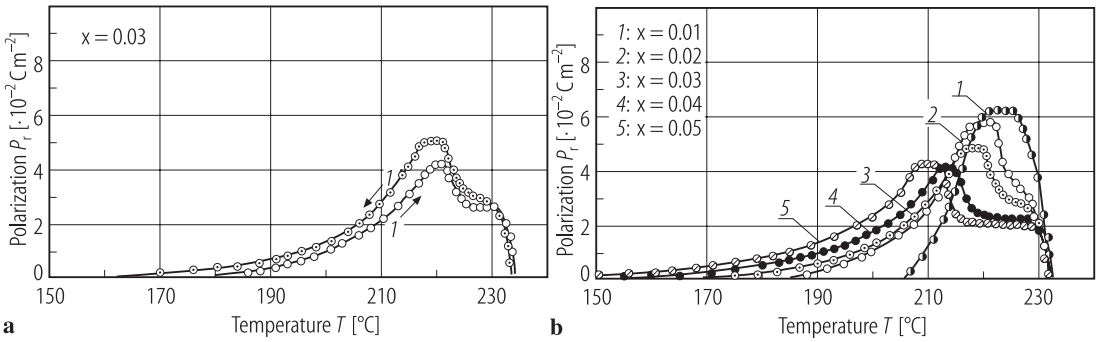

Fig. 1C-a82-009. $(Pb_{1-x}Ba_x)ZrO_3$ (ceramics). P_r vs. T [92Ujm]. Parameter: x (≤ 0.05).

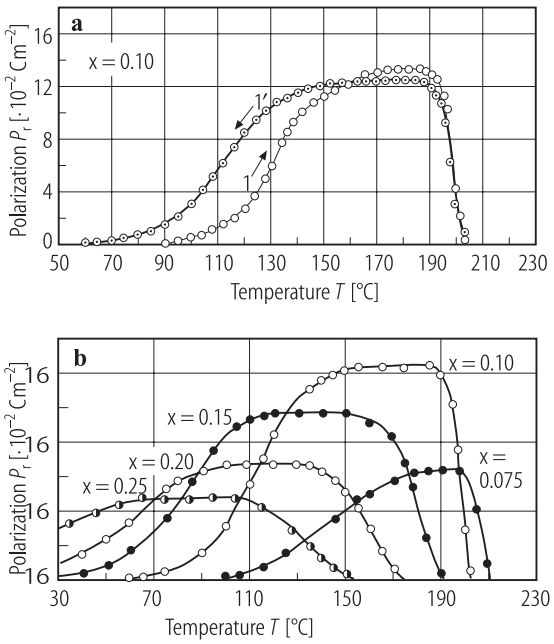

Fig. 1C-a82-010. $(Pb_{1-x}Ba_x)ZrO_3$ (ceramics). P_r vs. T [92Ujm]. Parameter: x (> 0.05).

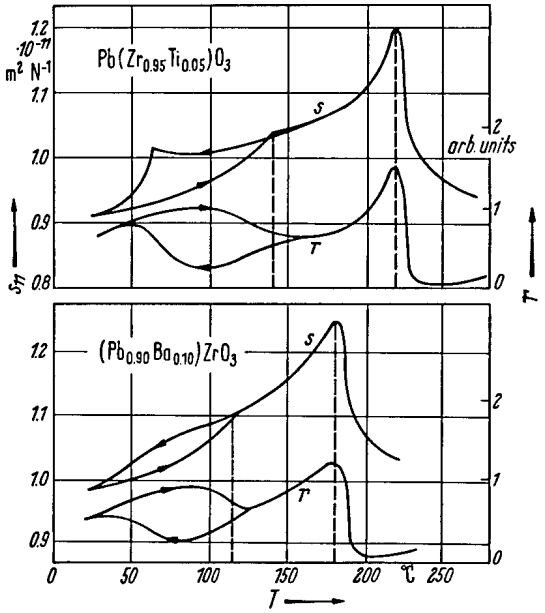

Fig. 1C-a82-011. $(Pb_{0.90}Ba_{0.10})ZrO_3$ and $Pb(Zr_{0.95}Ti_{0.05})O_3$ (ceramics). s_{11}, r vs. T [55Mar]. Composite-bar method. r: minimum-to-maximum admittance ratio which gives approximate measure of $(Q_{mech}^{-1})^2$.

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