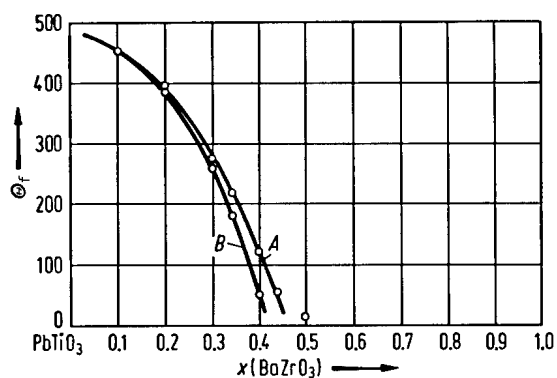
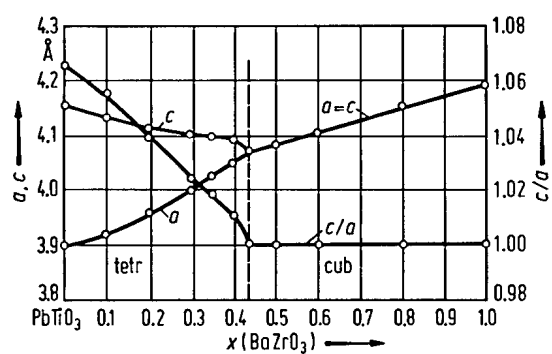


**No. 1C-a61 PbTiO<sub>3</sub>–BaZrO<sub>3</sub>**

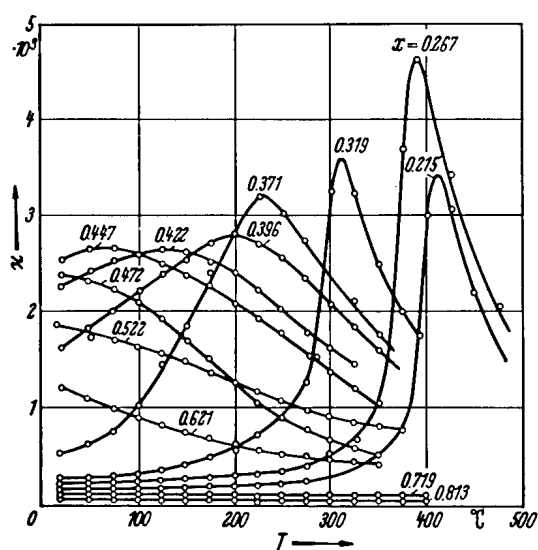
1b	Transition temperature: Fig. 1C-a61-001; see also	61Fed
3a	Lattice parameter: Fig. 1C-a61-002; see also	61Fed
4	Thermal expansion: see	67Har
5a	Dielectric constant: Fig. 1C-a61-003.	
7a	Piezoelectricity: see	63Bra



**Fig. 1C-a61-001.**  $(1-x)\text{PbTiO}_3 \cdot x\text{BaZrO}_3$ .  $\Theta_f$  vs.  $x$  [67Har].  
Curve A: obtained from dielectric measurement; curve B:  
obtained from thermal expansion measurement.



**Fig. 1C-a61-002.**  $(1-x)\text{PbTiO}_3 \cdot x \text{ BaZrO}_3$ . Lattice parameters vs.  $x$  [67Har].



**Fig. 1C-a61-003.**  $(1-x)\text{PbTiO}_3 \cdot x\text{BaZrO}_3$  (ceramics).  $\kappa$  vs.  $T$  [61Fed]. Parameter:  $x$ .  $f = 500$  kHz ( $x = 0.215$  and  $0.267$ ) or 1 MHz (others).

**References**

- 61Fed    Fedulov, S.A., Venevtsev, Yu.N., Zhdanov, G.S., Rez. I.S.: Kristallografiya **6** (1961) 681;  
Sov. Phys. Crystallogr. (English Transl.) **6** (1962) 547.  
63Bra    Bratschun, W.R.: J. Am. Ceram. Soc. **46** (1963) 141.  
67Har    Harris, N.H., Tennery, V.J.: J. Am. Ceram. Soc. **50** (1967) 404.