No. 1C-a81 $SrZrO_3$–$PbZrO_3$

1b	Phase diagram: Fig. 1C-a81-001; see also	58Kra
3a	Lattice parameter: Fig. 1C-a81-002; see also	54Shi
4	Thermal expansion: Fig. 1C-a81-003; see also	58Kra
5a	Dielectric constant: Fig. 1C-a81-004. Effect of E_{bias}: see	52Shi
6a	Specific heat: Fig. 1C-a81-005. Transition heat: Table 1C-a81-001.	

Table 1C-a81-001. $PbZrO_3$, $(Pb_{0.95}Sr_{0.05})ZrO_3$ and $(Pb_{0.925}Ba_{0.075})ZrO_3$. Transition heat ΔQ_m [52Shi].

Composition	ΔQ_m [J mol^{-1}] (lower transition)	ΔQ_m [J mol^{-1}] (upper transition)
$PbZrO_3$	–	1840
$(Pb_{0.95}Sr_{0.05})ZrO_3$	750	960
$(Pb_{0.925}Ba_{0.075})ZrO_3$	800	960

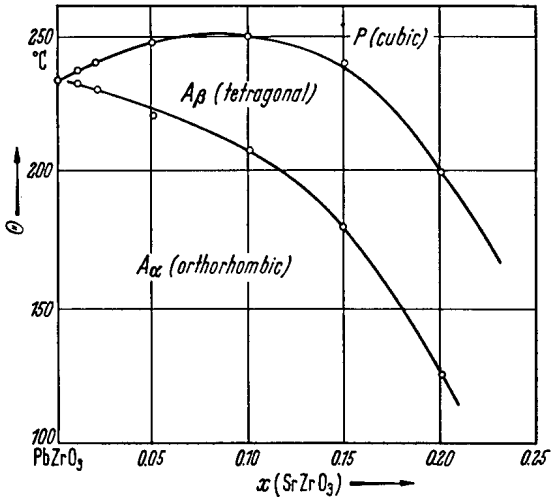

Fig. 1C-a81-001. $(Pb_{1-x}Sr_x)ZrO_3$. Θ vs. x [52Shi]. See also [58Kra].

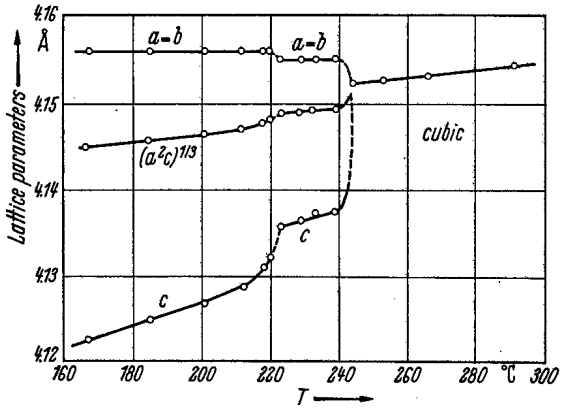

Fig. 1C-a81-002. $(Pb_{0.95}Sr_{0.05})ZrO_3$. Lattice parameters vs. *T* [54Shi]. Pseudotetragonal cell parameters are shown below 220 °C.

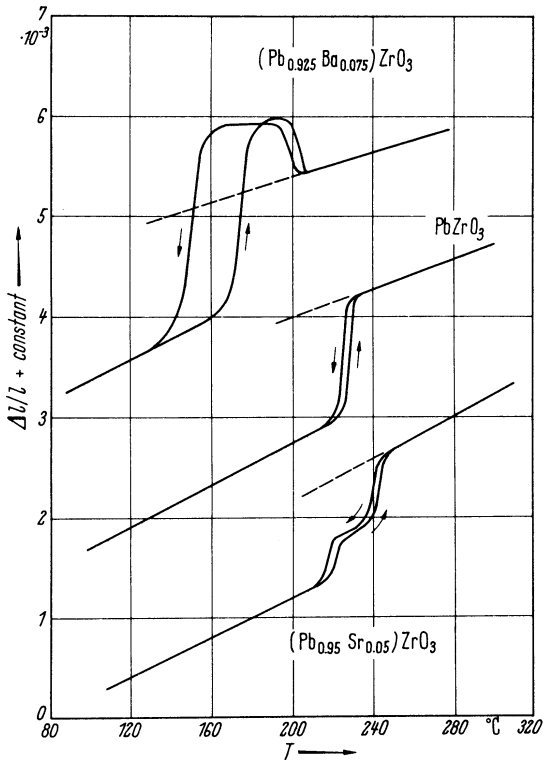

Fig. 1C-a81-003. $PbZrO_3$, $(Pb_{0.95}Sr_{0.05})ZrO_3$ and $(Pb_{0.925}Ba_{0.075})ZrO_3$. $\Delta l/l$ vs. T [52Shi].

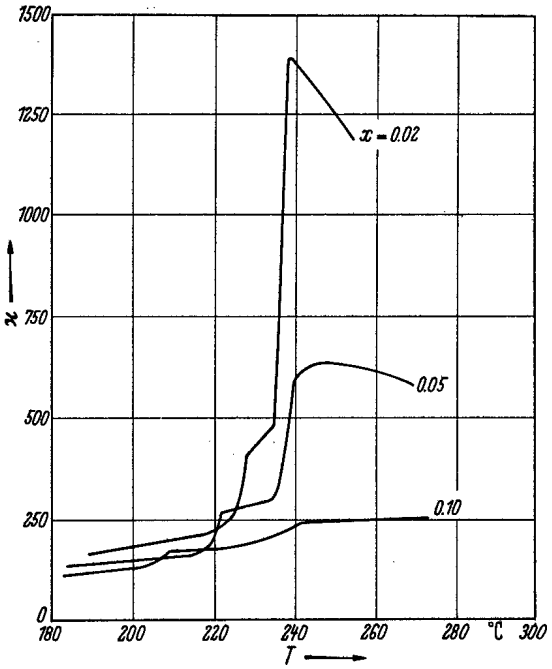

Fig. 1C-a81-004. $(Pb_{1-x}Sr_x)ZrO_3$ (ceramics). κ vs. T [52Shi]. Parameter: x. f = 1 MHz.

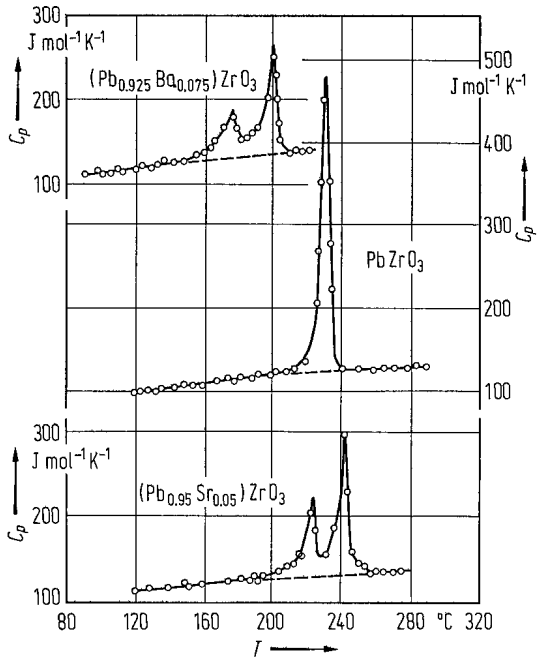

Fig. 1C-a81-005. $PbZrO_3$, $(Pb_{0.95}Sr_{0.05})ZrO_3$ and $(Pb_{0.925}Ba_{0.075})ZrO_3$. C_p vs. T [52Shi].

References

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